

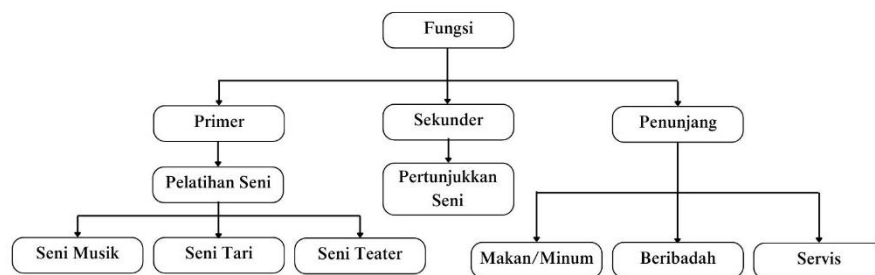
## BAB IV

### PENDEKATAN PROGRAM PERENCANAAN DAN PERANCANGAN

#### 4.1 Pendekatan Aspek Fungsional

##### 4.1.1 Pendekatan Fungsi

Fungsi perancangan dikelompokkan menjadi tiga, yaitu fungsi primer, sekunder, dan penunjang.



*Bagan 1 Pengelompokan fungsi bangunan perancangan*

##### 1. Fungsi Primer

Fungsi primer dari bangunan perancangan adalah sebagai pusat pelatihan seni pertunjukan, yaitu seni musik, seni tari, dan seni teater.

##### 2. Fungsi Sekunder

Fungsi sekunder dari bangunan perancangan adalah sebagai tempat pertunjukkan seni, baik itu musik, tari, maupun teater. Pertunjukkan seni ini tak hanya kegiatan dari siswa saja, tetapi dapat disewakan kepada khalayak umum.

##### 3. Fungsi Penunjang

Fungsi penunjang dari bangunan ini adalah fungsi makan dan minum, beribadah, dan servis.

##### 4.1.2 Pendekatan Pelaku dan Kelompok Aktivitas

###### 1. Pengelola

- Dewan komisaris sebagai pemegang wewenang tertinggi
- General manager dan asisten general manager sebagai penanggung jawab atas kegiatan yang dilaksanakan

- Sekretaris sebagai pembantu tugas dan tanggung jawab general manager dan asisten general manager
- Manager administrasi :
  - Kabag dan staff HRD sebagai pengurus sumber daya manusia
  - Kabag humas dan staff sebagai penanggung jawab terhadap hal yang berkaitan dengan pihak luar
  - Kabag keuangan dan staff sebagai penanggung jawab terhadap keuangan
- Manager operasional :
  - Kabag promosi dan staff sebagai pengurus kegiatan promosi
  - Kabag pemasaran dan staff sebagai pengurus kegiatan pemasaran
  - Kabag umum dan staff; teknik, maintenance, keamanan, dan servis

## 2. Peserta didik

- Peserta didik seni musik
- Peserta didik seni tari
- Peserta didik seni teater

## 3. Staff pengajar

- Pengajar seni musik
- Pengajar seni tari
- Pengajar seni teater

## 4. Kelompok penyaji seni

- Penyaji seni musik
- Penyaji seni tari
- Penyaji seni teater

## 5. Pengunjung

- Pengunjung umum
  - Pengunjung yang menghadiri atau menampilkan seni
  - Pengunjung pasif (hanya berjalan-jalan, membaca. Dan sebagainya)
- Pengunjung pertunjukan seni

- Pengunjung pertunjukan seni musik
  - Pengunjung pertunjukan seni tari
  - Pengunjung pertunjukan seni teater
  - Pengunjung fasilitas penunjang, seperti cafe
6. Sarana penunjang
- Pegawai cafe
  - Pengelola taman
7. Sarana servis
- Karyawan maintenance
  - Karyawan keamanan
  - Karyawan cleaning service

#### 4.1.3 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang

##### 1. Pelatihan Seni

- Pelatihan Seni Musik

*Table 5 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Pelatihan Seni Musik*

| Kelompok Aktivitas          | Pelaku Aktivitas | Kegiatan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Kebutuhan Ruang                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pelatihan seni musik</b> | Peserta didik    | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Menunggu kelas/jemputan</li> <li>- Mempelajari teori : <ul style="list-style-type: none"> <li>a. Teori vokal</li> <li>b. Teori gitar</li> <li>c. Teori bass</li> <li>d. Teori drum</li> <li>e. Teori piano</li> <li>f. Teori biola</li> </ul> </li> <li>- Praktik <ul style="list-style-type: none"> <li>a. Praktik vokal</li> <li>b. Praktik gitar</li> <li>c. Praktik bass</li> <li>d. Praktik drum</li> <li>e. Praktik piano</li> <li>f. Praktik biola</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Lobby</li> <li>- Kelas teori <ul style="list-style-type: none"> <li>a. Teori vokal</li> <li>b. Teori gitar</li> <li>c. Teori bass</li> <li>d. Teori drum</li> <li>e. Teori piano</li> <li>f. Teori biola</li> </ul> </li> <li>- Ruang praktik <ul style="list-style-type: none"> <li>a. Praktik vokal</li> <li>b. Praktik gitar</li> <li>c. Praktik bass</li> <li>d. Praktik drum</li> <li>e. Praktik piano</li> <li>f. Praktik biola</li> </ul> </li> <li>- Studio musik</li> <li>- Studio rekaman</li> </ul> |

|  |            |                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                     |
|--|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |            | <ul style="list-style-type: none"> <li>- Berlatih bersama</li> <li>- Membuat rekaman</li> <li>- Mencari literatur</li> <li>- Makan/minum</li> <li>- Buang air</li> </ul>                                                                                                        | <ul style="list-style-type: none"> <li>- Perpustakaan</li> <li>- Kantin, cafe</li> <li>- Toilet</li> </ul>                                                                                          |
|  | Pengajar   | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Istirahat/persiapan mengajar</li> <li>- Mengajar teori</li> <li>- Mengajar praktik</li> <li>- Makan/minum</li> <li>- Buang air</li> </ul>                                                             | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Ruang guru</li> <li>- Kelas teori</li> <li>- Ruang praktik</li> <li>- Kantin, cafe</li> <li>- Toilet</li> </ul>                     |
|  | Pengunjung | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Mencari informasi</li> <li>- Melakukan pendaftaran dan pembayaran</li> <li>- Membaca/mencari buku</li> <li>- Mengantar/menjemput peserta didik</li> <li>- Buang air</li> <li>- Makan/minum</li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Ruang informasi</li> <li>- Ruang administrasi</li> <li>- Perpustakaan</li> <li>- Lobby</li> <li>- Toilet</li> <li>- Cafe</li> </ul> |

- Pelatihan Seni Tari

*Table 6 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Pelatihan Seni Tari*

| Kelompok Aktivitas         | Pelaku Aktivitas | Kegiatan                                                                                                                                                                                                             | Kebutuhan Ruang                                                                                                                                                                                                              |
|----------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pelatihan seni tari</b> | Peserta didik    | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Menunggu kelas/jemputan</li> <li>- Mempelajari teori tari modern : <ul style="list-style-type: none"> <li>a. Ballet</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Lobby</li> <li>- Kelas teori tari modern <ul style="list-style-type: none"> <li>a. Ballet</li> <li>b. Hip Hop</li> <li>c. Kontemporer</li> </ul> </li> </ul> |

|  |            |                                                                                                                                                                                           |                                                                                                               |
|--|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  |            | b. Hip Hop<br>c. Kontemporer<br>- Praktik<br>a. Ballet<br>b. Hip Hop<br>c. Kontemporer<br>- Mencari literatur<br>- Makan/minum<br>- Buang air                                             | - Ruang praktik<br>a. Ballet<br>b. Hip Hop<br>c. Kontemporer<br>- Perpustakaan<br>- Kantin, cafe<br>- Toilet  |
|  | Pengajar   | - Memarkirkan kendaraan<br>- Beristirahat/melakukan persiapan mengajar<br>- Mengajar teori<br>- Mengajar praktik<br>- Makan/minum<br>- Buang air                                          | - Area parkir<br>- Ruang guru<br>- Kelas teori<br>- Ruang praktik<br>- Kantin, cafe<br>- Toilet               |
|  | Pengunjung | - Memarkirkan kendaraan<br>- Mencari informasi<br>- Melakukan pendaftaran dan pembayaran<br>- Membaca/mencari buku<br>- Mengantar/menjemput peserta didik<br>- Buang air<br>- Makan/minum | - Area parkir<br>- Ruang informasi<br>- Ruang administrasi<br>- Perpustakaan<br>- Lobby<br>- Toilet<br>- Cafe |

- Pelatihan Seni Teater

*Table 7 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Pelatihan Seni Teater*

| Kelompok Aktivitas    | Pelaku Aktivitas | Kegiatan                                             | Kebutuhan Ruang                                              |
|-----------------------|------------------|------------------------------------------------------|--------------------------------------------------------------|
| Pelatihan seni teater | Peserta didik    | - Memarkirkan kendaraan<br>- Menunggu kelas/jemputan | - Area parkir<br>- Lobby<br>- Kelas teori<br>- Ruang praktik |

|  |            |                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                     |
|--|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |            | <ul style="list-style-type: none"> <li>- Mempelajari teori</li> <li>- Praktik</li> <li>- Mencari literatur</li> <li>- Ibadah</li> <li>- Makan/minum</li> <li>- Buang air</li> </ul>                                                                                             | <ul style="list-style-type: none"> <li>- Perpustakaan</li> <li>- Musholla</li> <li>- Kantin, cafe</li> <li>- Toilet</li> </ul>                                                                      |
|  | Pengajar   | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Beristirahat/melakukan persiapan mengajar</li> <li>- Mengajar teori</li> <li>- Mengajar praktik</li> <li>- Makan/minum</li> <li>- Buang air</li> </ul>                                                | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Ruang guru</li> <li>- Kelas teori</li> <li>- Ruang praktik</li> <li>- Kantin, cafe</li> <li>- Toilet</li> </ul>                     |
|  | Pengunjung | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Mencari informasi</li> <li>- Melakukan kendaftaran dan pembayaran</li> <li>- Membaca/mencari buku</li> <li>- Mengantar/menjemput peserta didik</li> <li>- Buang air</li> <li>- Makan/minum</li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Ruang informasi</li> <li>- Ruang administrasi</li> <li>- Perpustakaan</li> <li>- Lobby</li> <li>- Toilet</li> <li>- Cafe</li> </ul> |

- Pengelola pelatihan seni

*Table 8 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Pengelola Pelatihan Seni*

| Kelompok Aktivitas              | Pelaku Aktivitas | Kegiatan                                                                                                                                                   | Kebutuhan Ruang                                                                                                                                                                   |
|---------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pengelola pelatihan seni</b> | Pengelola        | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Mengelola administrasi pelatihan</li> <li>- Melakukan rapat pengelola</li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Lobby</li> <li>- Ruang administrasi pelatihan</li> <li>- Ruang rapat</li> <li>- Ruang arsip dan gudang</li> </ul> |

|  |  |                                                                                                                                 |                                                                                                                         |
|--|--|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  |  | <ul style="list-style-type: none"> <li>- Menyimpan dokumen dan peralatan</li> <li>- Makan/minum</li> <li>- Buang air</li> </ul> | <ul style="list-style-type: none"> <li>- Ruang servis</li> <li>- Kantin, cafe, dapur staff</li> <li>- Toilet</li> </ul> |
|--|--|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|

## 2. Pertunjukan Seni

- Pertunjukkan Seni

*Table 9 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Pertunjukkan Seni*

| Kelompok Aktivitas           | Pelaku Aktivitas | Kegiatan                                                                                                                                                                                                                                                                                                                                                       | Kebutuhan Ruang                                                                                                                                                                                                                                                                     |
|------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Penerimaan pengunjung</b> | Penonton         | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Datangnya penonton</li> <li>- Mencari informasi</li> <li>- Menunggu pertunjukkan</li> <li>- Melihat informasi</li> <li>- Menitipkan barang bawaan</li> <li>- Membeli dan mengambil tiket</li> <li>- Makan/minum</li> <li>- Buang air</li> </ul>                                      | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Lobby</li> <li>- Information center</li> <li>- Loker penitipan barang</li> <li>- Lounge</li> <li>- Loket tiket</li> <li>- Ruang checking</li> <li>- Kantin, cafe</li> <li>- Toilet</li> </ul>                       |
| <b>Persiapan pertunjukan</b> | Penampil         | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Masuknya penampil</li> <li>- Penampil menurunkan barang</li> <li>- Penampil menunggu</li> <li>- Penampil menyimpan barang</li> <li>- Penampil melakukan latihan dan persiapan</li> <li>- Penampil berganti kostum dan berdandan</li> <li>- Penampil menunggu waktu tampil</li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Lobby penampil</li> <li>- Drop off barang</li> <li>- Lounge penampil</li> <li>- Loker barang</li> <li>- Ruang latihan</li> <li>- Ruang ganti dan <i>makeup</i></li> <li>- Ruang tunggu</li> <li>- Toilet</li> </ul> |

|                                |                   |                                                                                                                                                                                           |                                                                                                                    |
|--------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|                                |                   | <ul style="list-style-type: none"> <li>- Penampil beristirahat</li> <li>- Buang air</li> </ul>                                                                                            |                                                                                                                    |
| <b>Pelaksanaan pertunjukan</b> | Penampil          | <ul style="list-style-type: none"> <li>- Menampilkan pertunjukan</li> </ul>                                                                                                               | <ul style="list-style-type: none"> <li>- Auditorium</li> <li>- Panggung</li> </ul>                                 |
|                                | Penonton          | <ul style="list-style-type: none"> <li>- Menonton pertunjukan</li> </ul>                                                                                                                  | <ul style="list-style-type: none"> <li>- Ruang dekorasi</li> <li>- Ruang kontrol <i>lighting</i></li> </ul>        |
|                                | Staff pertunjukan | <ul style="list-style-type: none"> <li>- Mengatur <i>lighting</i></li> <li>- Mengatur <i>sound system</i></li> <li>- Mengatur dekorasi</li> <li>- Mengoordinasikan pertunjukan</li> </ul> | <ul style="list-style-type: none"> <li>- Ruang kontrol <i>sound system</i></li> <li>- Ruang koordinator</li> </ul> |

- **Pengelola Pertunjukan Seni**

*Table 10 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Pengelola Pertunjukan Seni*

| Kelompok Aktivitas                | Pelaku Aktivitas | Kegiatan                                                                                                                                                                                                                                                                                                                        | Kebutuhan Ruang                                                                                                                                                                                                                                                                        |
|-----------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pengelola pertunjukan seni</b> | Pengelola        | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Mengelola administrasi pertunjukan</li> <li>- Memimpin pengelolaan pertunjukan</li> <li>- Melakukan rapat pengelola</li> <li>- Menyimpan data</li> <li>- Mengelola kegiatan operasional</li> <li>- Menyimpan barang</li> <li>- Makan/minum</li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Ruang administrasi</li> <li>- Ruang pemimpin divisi pertunjukan</li> <li>- Ruang rapat</li> <li>- Ruang arsip</li> <li>- Ruang staff pertunjukan</li> <li>- Gudang</li> <li>- Dapur staff</li> <li>- Toilet</li> </ul> |

### 3. Pengelola Umum



Table 11 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Pengelola Umum

| Kelompok Aktivitas    | Pelaku Aktivitas | Kegiatan                                                                                                                                                 | Kebutuhan Ruang                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pengelola umum</b> | Pengelola        | <ul style="list-style-type: none"> <li>- Melakukan tugas operasional sesuai jabatan dan divisinya</li> <li>- Buang air</li> <li>- Makan/minum</li> </ul> | <ul style="list-style-type: none"> <li>- Ruang dewan komisaris</li> <li>- Ruang general manager, asisten general manager, sekretaris</li> <li>- Ruang kabag dan staff HRD</li> <li>- Ruang kabag dan staff humas</li> <li>- Ruang kabag dan staff keuangan</li> <li>- Ruang kabag dan staff promosi</li> <li>- Ruang kabag dan staff pemasaran</li> <li>- Ruang staff servis, maintenance, keamanan</li> <li>- Toilet</li> <li>- Dapur, kantin, kafe</li> </ul> |

#### 4. Fasilitas Pendukung

Table 12 Pendekatan Kelompok Aktivitas dan Kebutuhan Ruang Fasilitas Pendukung

| Kelompok Aktivitas | Pelaku Aktivitas                                                                                       | Kegiatan                                                                                                                                                                                 | Kebutuhan Ruang                                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Kantin</b>      | <ul style="list-style-type: none"> <li>- Peserta didik</li> <li>- Guru</li> <li>- Pengelola</li> </ul> | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Keluar/masuk</li> <li>- Menjual makanan dan minuman</li> <li>- Makan dan minum</li> <li>- Istirahat</li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Entrance hall</li> <li>- Stand makanan</li> <li>- Tempat makan indoor</li> <li>- Tempat makan outdoor</li> </ul> |

|                    |                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cafe</b>        | <ul style="list-style-type: none"> <li>- Peserta didik</li> <li>- Guru</li> <li>- Pengelola</li> <li>- Pengunjung</li> <li>- Penampil</li> <li>- Penonton</li> <li>- pertunjukkan</li> </ul>                  | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Keluar/masuk</li> <li>- Memilih menu</li> <li>- Membayar pesanan</li> <li>- Makan/minum</li> <li>- Istirahat</li> <li>- Buang air</li> <li>- Mencuci tangan</li> </ul>                                                | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Entrance hall</li> <li>- Etalase makanan</li> <li>- Tempat pesan dan kasir</li> <li>- Tempat makan indoor</li> <li>- Tempat makan indoor</li> <li>- Toilet</li> <li>- Westafel</li> </ul> |
|                    | <ul style="list-style-type: none"> <li>- Staff cafe</li> </ul>                                                                                                                                                | <ul style="list-style-type: none"> <li>- Memarkirkan kendaraan</li> <li>- Keluar/masuk</li> <li>- Menerima pesanan</li> <li>- Menjaga kasir</li> <li>- Membuatkan pesanan</li> <li>- Menaruh barang</li> <li>- Mencuci peralatan</li> <li>- Menyimpan peralatan</li> <li>- Buang air</li> </ul> | <ul style="list-style-type: none"> <li>- Area parkir</li> <li>- Entrance hall</li> <li>- Etalase makanan</li> <li>- Tempat pesan dan kasir</li> <li>- Loker staff</li> <li>- Dapur</li> <li>- Washing room</li> <li>- Gudang</li> <li>- Toilet</li> </ul> |
| <b>Amphiteater</b> | <ul style="list-style-type: none"> <li>- Peserta didik</li> <li>- Guru</li> <li>- Pengelola</li> <li>- Pengunjung</li> <li>- Penampil</li> <li>- Penonton</li> <li>- pertunjukkan</li> </ul>                  | <ul style="list-style-type: none"> <li>- Duduk dan beristirahat</li> <li>- Berbincang</li> <li>- Pertunjukkan outdoor</li> </ul>                                                                                                                                                                | <ul style="list-style-type: none"> <li>- Sitting area</li> </ul>                                                                                                                                                                                          |
| <b>Musholla</b>    | <ul style="list-style-type: none"> <li>- Peserta didik</li> <li>- Guru</li> <li>- Pengelola</li> <li>- Pengunjung</li> <li>- Penampil</li> <li>- Penonton</li> <li>- pertunjukkan</li> <li>- Staff</li> </ul> | <ul style="list-style-type: none"> <li>- Menaruh alas kaki</li> <li>- Berwudhu</li> <li>- Buang air</li> <li>- Mengambil dan menyimpan peralatan solat</li> <li>- Beribadah</li> </ul>                                                                                                          | <ul style="list-style-type: none"> <li>- Rak sepatu</li> <li>- Tempat wudhu pria</li> <li>- Tempat wudhu wanita</li> <li>- Toilet</li> <li>- Lemari</li> <li>- Shaff pria</li> <li>- Shaff wanita</li> </ul>                                              |
| <b>Servis</b>      | <ul style="list-style-type: none"> <li>- Staff keamanan</li> </ul>                                                                                                                                            | <ul style="list-style-type: none"> <li>- Mengawasi cctv</li> </ul>                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>- Pos keamanan</li> </ul>                                                                                                                                                                                          |

|  |                        |                              |                        |
|--|------------------------|------------------------------|------------------------|
|  | - Staff<br>maintanance | - Melakukan<br>maintanance   | - Ruang<br>maintanance |
|  | - Staff<br>mekanikal   | - Menaruh alat<br>mekanikal  | - Ruang mekanikal      |
|  | - Staff<br>elektrikal  | - Menaruh alat<br>elektrikal | - Ruang elektrikal     |
|  |                        | - Buang air                  | - Toilet               |

#### 4.1.4 Pendekatan Pengelompokkan Sifat Ruang

Pendekatan pengelompokkan sifat ruang dibagi menjadi tiga, yaitu publik, semi publik, dan privat. Ruang yang bersifat publik dapat diakses siapa saja, semi publik dapat diakses dengan izin, sedangkan privat hanya boleh diakses oleh orang tertentu.

*Table 13 Pengelompokkan Sifat Ruang*

| Sifat Ruang        | Jenis Ruang                                                                                                                                                                                                                                                                                                                                             | Keterangan                                                                        |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Publik</b>      | <ul style="list-style-type: none"> <li>• Entrance hall</li> <li>• Lobby</li> <li>• Information center</li> <li>• Loker barang</li> <li>• Locket</li> <li>• Lounge umum</li> <li>• Checking area</li> <li>• Auditorium</li> <li>• Amphiteater</li> <li>• Perpustakaan</li> <li>• Cafe</li> <li>• Kantin</li> <li>• Toilet</li> <li>• Musholla</li> </ul> | Dapat diakses oleh siapa saja                                                     |
| <b>Semi Publik</b> | <ul style="list-style-type: none"> <li>• Kelas teori musik</li> <li>• Ruang praktik musik</li> <li>• Ruang rekaman</li> <li>• Studio musik</li> <li>• Kelas teori tari</li> <li>• Ruang praktik tari</li> <li>• Kelas teori teater</li> </ul>                                                                                                           | Diakses oleh yang berkepentingan atau untuk pengunjung dengan izin dari pengelola |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|               | <ul style="list-style-type: none"> <li>• Ruang praktik teater</li> <li>• Ruang administrasi</li> <li>• Lobby penampil</li> <li>• Drop off barang</li> <li>• Lounge penampil</li> <li>• Ruang latihan penampil</li> <li>• Ruang ganti dan <i>makeup</i> penampil</li> <li>• Ruang tunggu penampil</li> <li>• Ruang kontrol lighting</li> <li>• Ruang kontrol sound system</li> <li>• Ruang koordinator</li> <li>• Ruang rapat</li> </ul>                                                                                                                                                                                  |                                        |
| <b>Privat</b> | <ul style="list-style-type: none"> <li>• Ruang guru</li> <li>• Ruang pemimpin divisi pertunjukkan</li> <li>• Ruang rapat</li> <li>• Ruang staff pertunjukkan</li> <li>• Ruang dewan komisaris</li> <li>• Ruang general manager, asisten general manager, sekretaris</li> <li>• Ruang kabag dan staff HRD</li> <li>• Ruang kabag dan staff humas</li> <li>• Ruang kabag dan staff keuangan</li> <li>• Ruang kabag dan staff promosi</li> <li>• Ruang kabag dan staff pemasaran</li> <li>• Ruang servis, maintenance, keamanan</li> <li>• Dapur staff</li> <li>• Toilet staff</li> <li>• Ruang arsip dan gudang</li> </ul> | Hanya bisa diakses oleh orang tertentu |

#### 4.1.5 Pendekatan Hubungan Kelompok Ruang

##### 1. Analisis Hubungan Makro

- Diagram Matriks

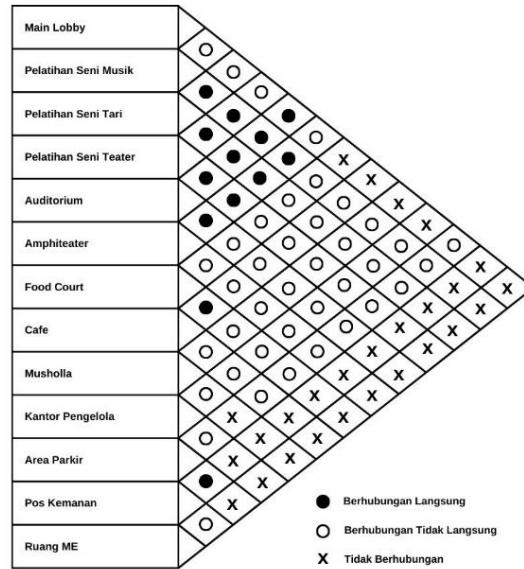


Diagram 1 Matriks Hubungan Makro

- Diagram Keterkaitan

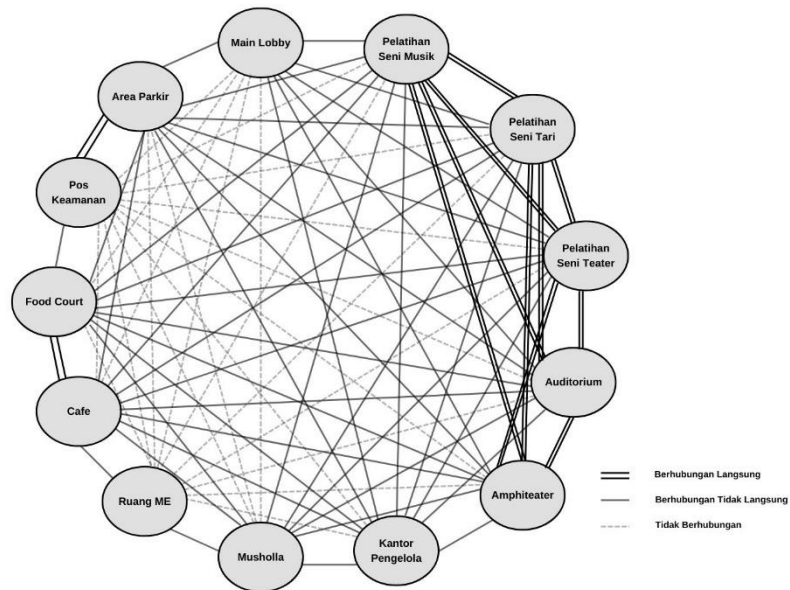


Diagram 2 Keterkaitan Hubungan Makro

## 2. Analisis Hubungan Mikro Primer

### a. Pelatihan Seni Musik



*Diagram 5 Matriks Pelatihan Seni Tari*

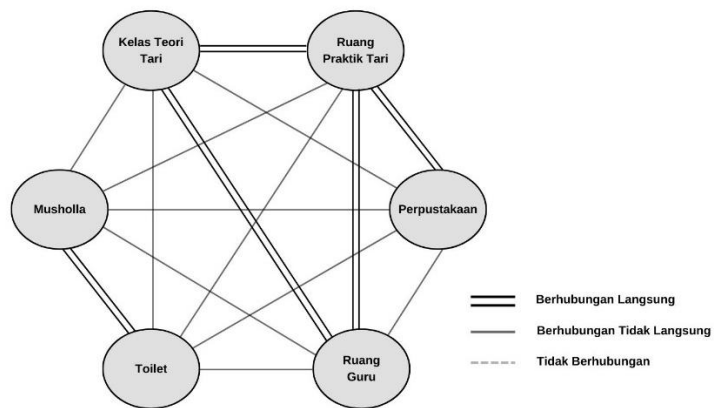


Diagram 6 Keterkaitan Pelatihan Seni Tari

### c. Pelatihan Seni Teater

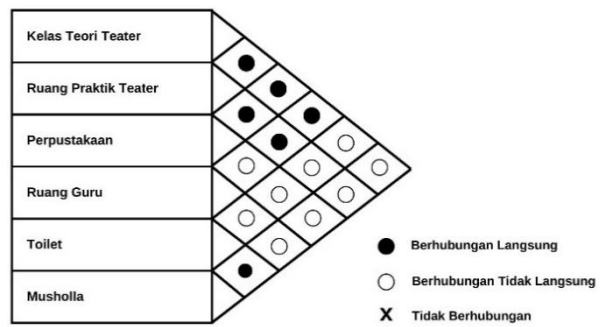


Diagram 7 Matriks Pelatihan Seni Teater

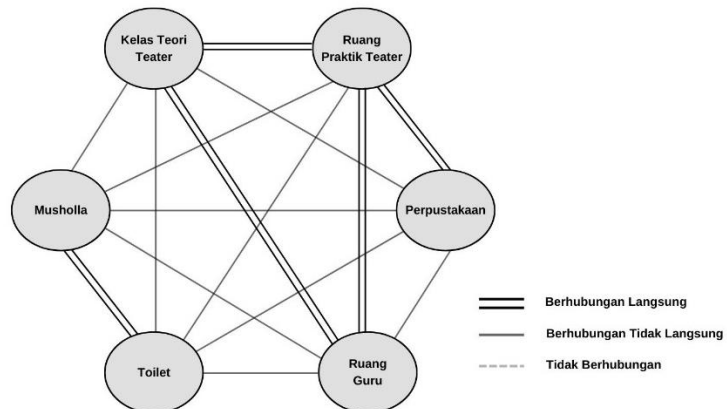


Diagram 8 Keterkaitan Pelatihan Seni Teater

### d. Pertunjukkan

- Penerimaan Pengunjung

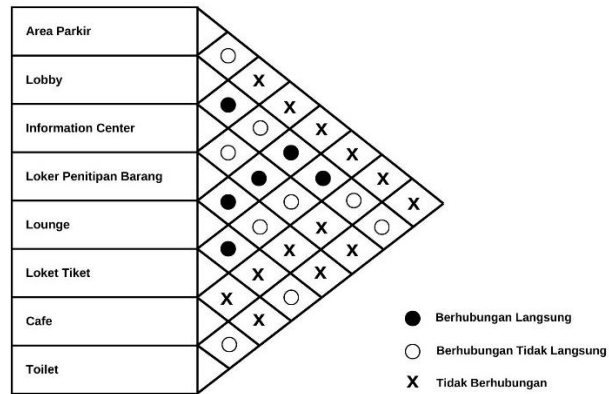


Diagram 9 Matriks Penerimaan Pengunjung Pertunjukkan

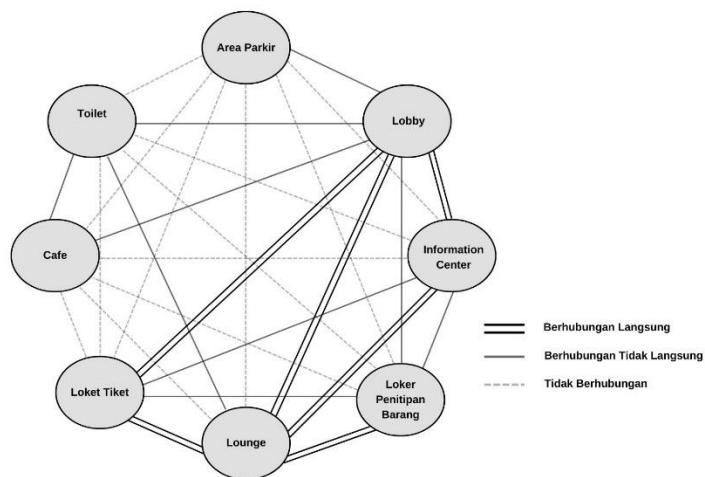


Diagram 10 Keterkaitan Penerimaan Pengunjung Pertunjukkan

• Persiapan Pertunjukkan

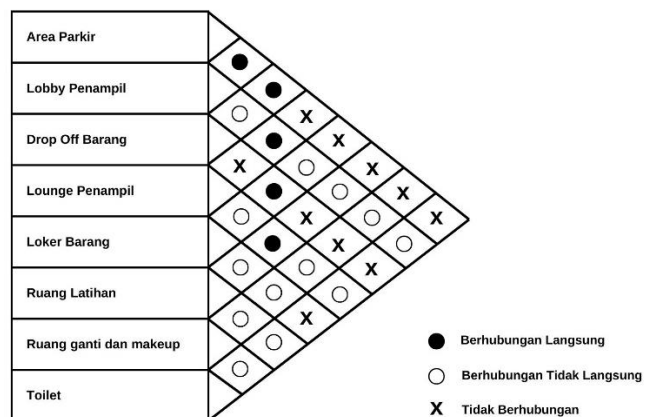


Diagram 11 Matriks Persiapan Pertunjukkan



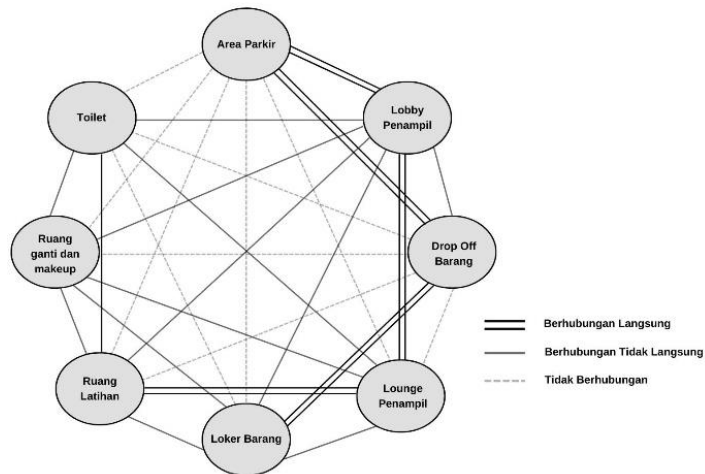


Diagram 12 Keterkaitan Persiapan Pertunjukan

- Pelaksanaan Pertunjukan

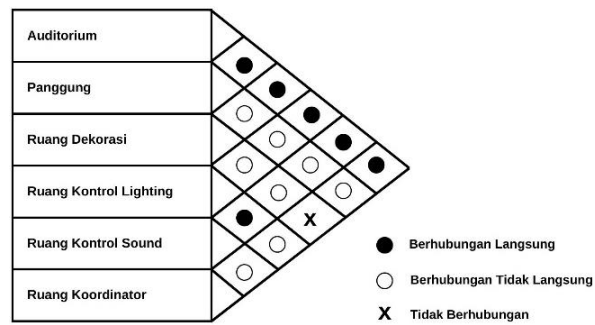


Diagram 13 Matriks Pelaksanaan Pertunjukan

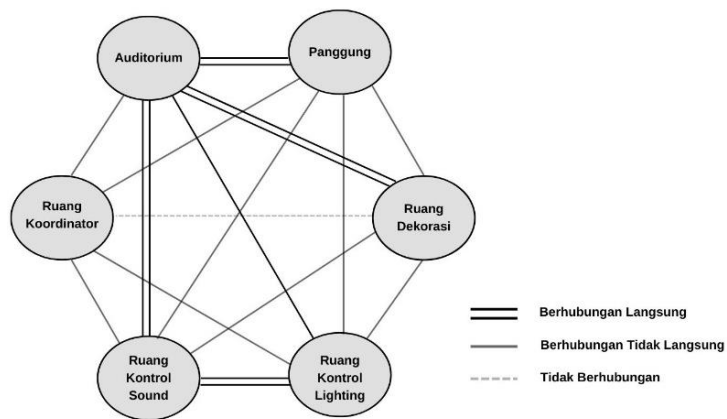


Diagram 14 Keterkaitan Pelaksanaan Pertunjukan

e. Pengelola

- Pengelola Pelatihan Seni

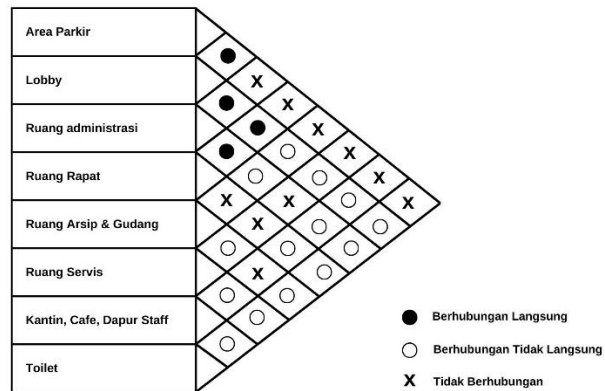


Diagram 15 Matriks Pengelola Pelatihan Seni

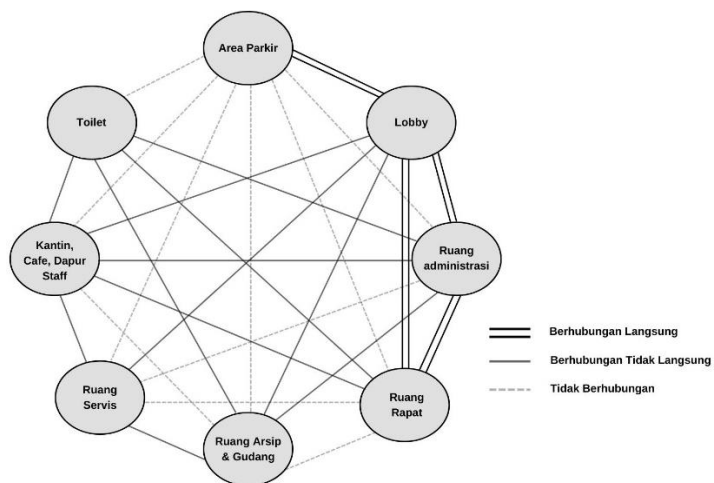


Diagram 16 Pengelola Pelatihan Seni

- Pengelola Pertunjukkan

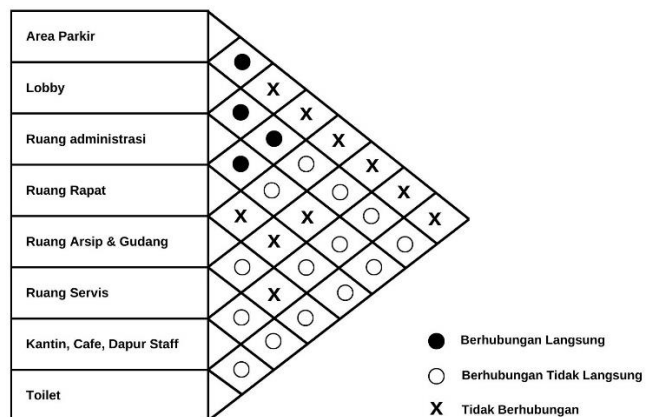


Diagram 17 Matriks Pengelola Pertunjukkan

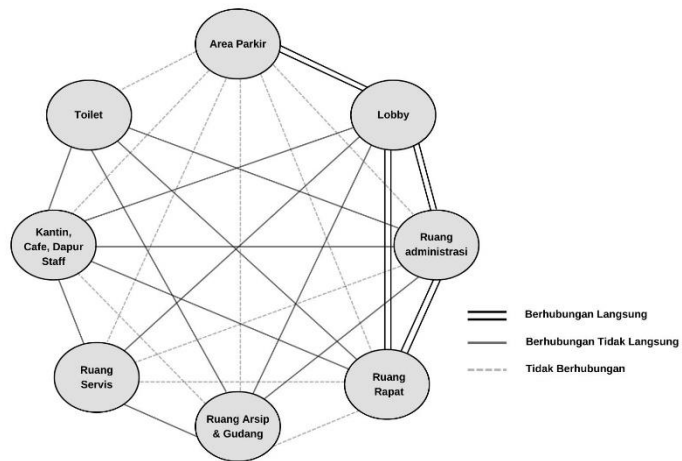


Diagram 18 Keterkaitan Pengelola Pertunjukan

## • Pengelola Umum

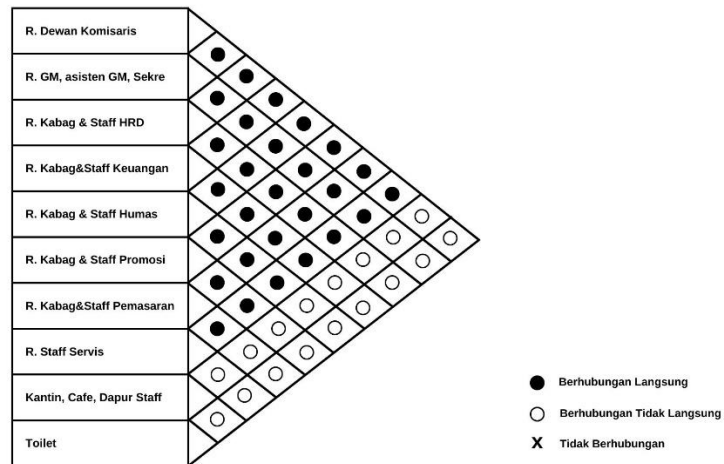


Diagram 19 Matriks Pengelola Umum

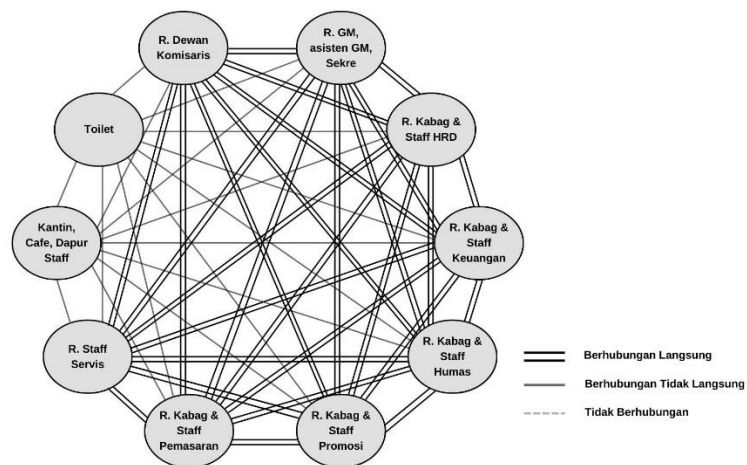


Diagram 20 Keterkaitan Pengelola Umum

f. Cafe dan Kantin

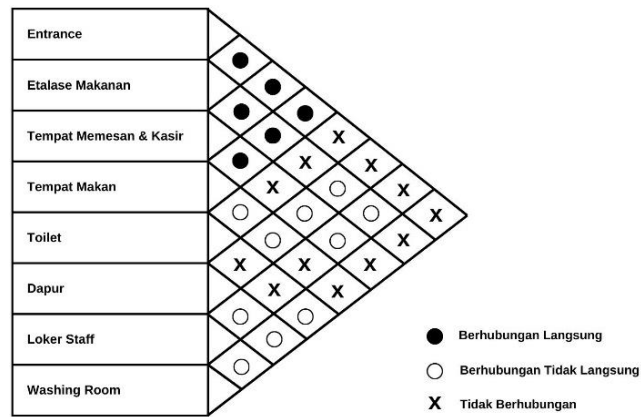


Diagram 21 Matriks Cafe dan Kantin

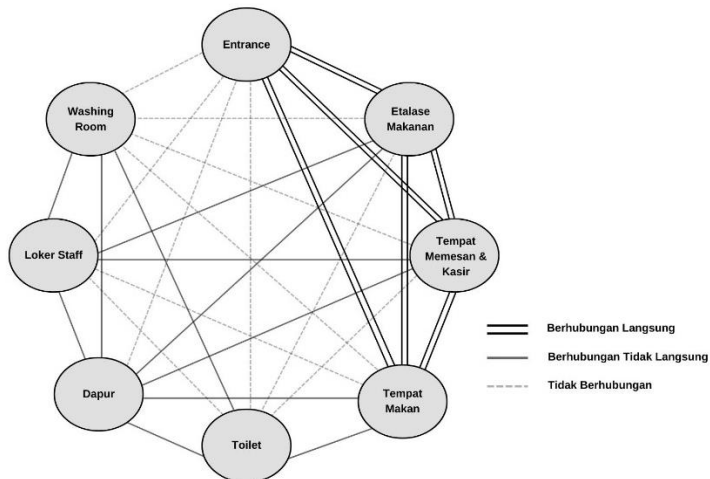


Diagram 22 Keterkaitan Cafe dan Kantin

g. Musholla

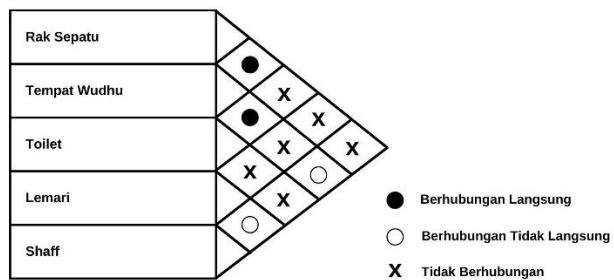


Diagram 23 Matriks Musholla

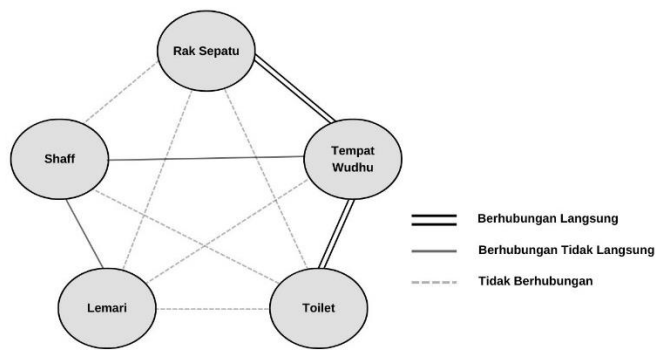


Diagram 24 Keterkaitan Musholla

#### 4.1.6 Pendekatan Kapasitas Ruang

Dalam perhitungan untuk menentukan besaran ruang menggunakan pertimbangan :

- Banyaknya pengguna
- Alat pendukung yang digunakan
- Kebutuhan ruang gerak sesuai jenis kegiatan

Selain itu, perhitungan besaran ruang yang digunakan berdasarkan :

- Time Server Standart For Bulding Types (Yosep Deh Chiara & John Calender, 1981)
- Time Server Standart For Urban Design (Donald Watson, Alan Plattus, dan Robert Shibley, 2003)
- Architect Data (Ernest Neufert, John Wiley, dan Sons, 1980)
- Perhitungan asumsi berdasarkan studi banding

##### 1. Penentuan Besar Sirkulasi

5 – 10% : Standar minimum

20% : Kebutuhan keleluasaan sirkulasi

30% : Tuntutan kenyamanan fisik

40% : Tuntutan kenyamanan psikologis

50% : Tuntutan spesifik kegiatan

70 – 100% : Keterkaitan dengan banyak kegiatan

## 2. Pendekatan Kapasitas Peserta Didik

- Seni Musik

Studi Banding : Max & Jeanny Music School

Jam operasional : Senin – Jumat (10.00 – 21.00), Sabtu (08.00 – 17.00),  
rata-rata adalah 10 jam/hari

*Table 14 Pendekatan Kapasitas Peserta Didik Seni Musik*

| Jenis Pelatihan | Format Belajar                                                                                                                                                                                                    |                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Vokal</b>    | <b>Privat</b><br>1 x 30 menit/minggu,<br>4x/bulan                                                                                                                                                                 | <b>Grup</b><br>1 x 60 menit/minggu,<br>4x/bulan<br>• 1 kelompok = 8 orang                                                                                                                                                         |
| Asumsi          | <ul style="list-style-type: none"> <li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li> <li>• Lama 1 sesi = 30 menit sesi + 30 menit jeda = 1 jam</li> <li>• Jadi 1 hari = 10 sesi = 10 siswa</li> </ul> | <ul style="list-style-type: none"> <li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li> <li>• Lama 1 sesi = 60 menit sesi + 30 menit jeda = 90 menit</li> <li>• Jadi 1 hari = 6 sesi = 6 x 8 siswa = 48 siswa</li> </ul> |
| Jumlah          | 10 + 48 = 58 siswa vokal per hari                                                                                                                                                                                 |                                                                                                                                                                                                                                   |
| <b>Gitar</b>    | <b>Privat</b><br>1 x 30 menit/minggu,<br>4x/bulan                                                                                                                                                                 | <b>Grup</b><br>1 x 60 menit/minggu,<br>4x/bulan<br>1 kelompok = 8 orang                                                                                                                                                           |
| Asumsi          | <ul style="list-style-type: none"> <li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li> <li>• Lama 1 sesi = 30 menit sesi + 30 menit jeda = 1 jam</li> </ul>                                             | <ul style="list-style-type: none"> <li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li> <li>• Lama 1 sesi = 60 menit sesi + 30 menit jeda = 90 menit</li> </ul>                                                          |

|        |                                                                                                                                                                                                     |                                                                                                                                                                                                                     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Jadi 1 hari = 10 sesi = 10 siswa                                                                                                                                                                    | Jadi 1 hari = 6 sesi = 6 x 8 siswa = 48 siswa                                                                                                                                                                       |
| Jumlah | 10 + 48 = 58 siswa gitar per hari                                                                                                                                                                   |                                                                                                                                                                                                                     |
| Bass   | Privat<br>1 x 30 menit/minggu,<br>4x/bulan                                                                                                                                                          | Grup<br>1 x 60 menit/minggu,<br>4x/bulan<br>1 kelompok = 8 orang                                                                                                                                                    |
| Asumsi | <ul style="list-style-type: none"><li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li><li>• Lama 1 sesi = 30 menit sesi + 30 menit jeda = 1 jam</li></ul> Jadi 1 hari = 10 sesi = 10 siswa | <ul style="list-style-type: none"><li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li><li>• Lama 1 sesi = 60 menit sesi + 30 menit jeda = 90 menit</li></ul> Jadi 1 hari = 6 sesi = 6 x 8 siswa = 48 siswa |
| Jumlah | 10 + 48 = 58 siswa bass per hari                                                                                                                                                                    |                                                                                                                                                                                                                     |
| Drum   | Privat<br>1 x 30 menit/minggu,<br>4x/bulan                                                                                                                                                          | —                                                                                                                                                                                                                   |
| Asumsi | <ul style="list-style-type: none"><li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li><li>• Lama 1 sesi = 30 menit sesi + 30 menit jeda = 1 jam</li></ul> Jadi 1 hari = 10 sesi = 10 siswa |                                                                                                                                                                                                                     |
| Jumlah | 10 siswa drum per hari                                                                                                                                                                              |                                                                                                                                                                                                                     |
| Piano  | Privat<br>1 x 30 menit/minggu,<br>4x/bulan                                                                                                                                                          | —                                                                                                                                                                                                                   |

|                    |                                                                                                                                                                                                               |                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Asumsi             | <ul style="list-style-type: none"> <li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li> <li>• Lama 1 sesi = 30 menit sesi + 30 menit jeda = 1 jam</li> </ul> <p>Jadi 1 hari = 10 sesi = 10 siswa</p> |                                                                                                                                                                                                                               |
| Jumlah             | 10 siswa piano per hari                                                                                                                                                                                       |                                                                                                                                                                                                                               |
| <b>Biola</b>       | <b>Privat</b><br>1 x 30 menit/minggu, 4x/bulan                                                                                                                                                                | <b>Grup</b><br>1 x 60 menit/minggu, 4x/bulan<br>1 kelompok = 8 orang                                                                                                                                                          |
| Asumsi             | <ul style="list-style-type: none"> <li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li> <li>• Lama 1 sesi = 30 menit sesi + 30 menit jeda = 1 jam</li> </ul> <p>Jadi 1 hari = 10 sesi = 10 siswa</p> | <ul style="list-style-type: none"> <li>• 1 hari = 10 jam kerja, per sesi istirahat 30 menit</li> <li>• Lama 1 sesi = 60 menit sesi + 30 menit jeda = 90 menit</li> </ul> <p>Jadi 1 hari = 6 sesi = 6 x 8 siswa = 48 siswa</p> |
| Jumlah             | 10 + 48 = 58 siswa biola per hari                                                                                                                                                                             |                                                                                                                                                                                                                               |
| <b>Total Siswa</b> | <b>252 siswa/hari atau 38 siswa/sesi</b>                                                                                                                                                                      |                                                                                                                                                                                                                               |

- Seni Tari

Table 15 Pendekatan Kapasitas Peserta Didik Seni Tari

| Nama Institusi | Kapasitas siswa perkelas |
|----------------|--------------------------|
| Dance Station  | 10 orang                 |

\*data didapat dengan bertanya kepada *contact person* institusi

Dalam perancangan, kapasitas siswa ditetapkan seperti tabel di bawah.



*Table 16 Pendekatan Kapasitas Peserta Didik Seni Tari*

| <b>Jenis Tari</b>                     | <b>Jumlah Siswa</b>  | <b>Jumlah Kelas</b> | <b>Durasi</b> |
|---------------------------------------|----------------------|---------------------|---------------|
| Ballet                                | 10 – 15 siswa/ kelas | 3 kelas             | 90 menit      |
| RnB                                   | 10 siswa/ kelas      | 3 kelas             | 90 menit      |
| Kontemporer                           | 10 siswa/ kelas      | 3 kelas             | 90 menit      |
| Jumlah : 105 siswa atau 35 siswa/sesi |                      |                     |               |

- Seni Teater

Berdasarkan studi banding pada Sekolah Seni JakArt, pelatihan teater beranggotakan 25 orang/kelas.

*Table 17 Pendekatan Kapasitas Peserta Didik Seni Teater*

| <b>Studi Banding</b>                  | <b>Jumlah Siswa</b> | <b>Jumlah Kelas</b> | <b>Durasi</b> |
|---------------------------------------|---------------------|---------------------|---------------|
| Sekolah Seni<br>JakArt                | 25 orang/kelas      | 6                   | 90 menit      |
| Jumlah : 150 siswa atau 25 siswa/sesi |                     |                     |               |

3. Pendekatan Kapasitas Pengunjung Pertunjukkan

Perancangan pusat pelatihan seni dalam penggolongan tabel di bawah ini termasuk ke dalam skala Community School, yang mana memiliki kapasitas pengunjung sekitar **150 – 350 orang**.

Table 18 Pendekatan Kapasitas Pengunjung Pertunjukan

| No.                   | Jenis Pertunjukan            | Kapasitas Tempat Duduk |
|-----------------------|------------------------------|------------------------|
| <b>Pusat Ibu Kota</b> |                              |                        |
| 1                     | Opera House                  | 1600 – 2000            |
| 2                     | Dance Theatre                | 1200 – 1500            |
| 3                     | Concert Hall                 | 1500 – 2000            |
| 4                     | Recital Room                 | 600 – 800              |
| 5                     | Drama                        | 750 – 900              |
| <b>Arena</b>          |                              |                        |
| 1                     | Drama Theatre                | 750 – 900              |
| 2                     | Small and Medium-Scale Drama | 150 – 350<br>350 – 500 |
| <b>Pusat Daerah</b>   |                              |                        |
| 1                     | Concert Hall                 | 1200 – 1700            |
| 2                     | Touring Theatre              | 900 – 1400             |
| 3                     | Drama Theatre                | 750 – 900              |
| 4                     | Arena                        | 2000+                  |
| 5                     | Small and Medium-Scale Drama | 150 – 350<br>350 – 500 |
| <b>Pusat Kota</b>     |                              |                        |
| 1                     | Community Theatre            | 150 – 350              |
| 2                     | Arts Workshop                | 150 – 350              |
| 3                     | Amateur Theatre              | 150 – 350              |

#### 4. Pendekatan Kapasitas Pengelola

Table 19 Pendekatan Kapasitas Pengelola

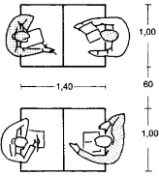
| Kelompok Kegiatan | Pelaku                  | Jumlah |
|-------------------|-------------------------|--------|
| Pengelola Umum    | Dewan Komisaris         | 1      |
|                   | General Manager         | 1      |
|                   | Asisten General Manager | 1      |
|                   | Sekretaris Umum         | 1      |
|                   | Kabag HRD               | 1      |
|                   | Staff HRD               | 3      |
|                   | Kabag Humas             | 1      |
|                   | Staff Humas             | 3      |
|                   | Kabag Promosi           | 1      |
|                   | Staff Promosi           | 3      |
|                   | Kabag Keuangan          | 1      |

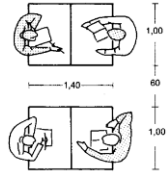
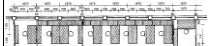
|                        |                                     |   |
|------------------------|-------------------------------------|---|
|                        | Staff Keuangan                      | 3 |
|                        | Kabag Pemasaran                     | 1 |
|                        | Staff Pemasaran                     | 3 |
|                        | Staff Servis, maintenance, keamanan | 3 |
| Pengelola Pelatihan    | Kepala Pelatihan Seni               | 1 |
|                        | Kepala Administrasi Pelatihan       | 1 |
|                        | Staff Administrasi Pelatihan        | 3 |
| Pengelola Pertunjukkan | Kepala Administrasi Pertunjukkan    | 1 |
|                        | Staff Administrasi Pertunjukkan     | 3 |
|                        | Kepala Divisi Pertunjukkan          | 1 |
|                        | Staff Divisi Pertunjukkan           | 3 |

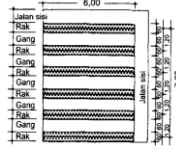
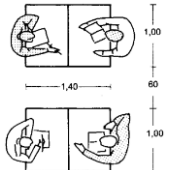
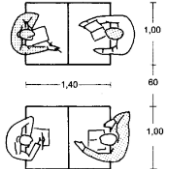
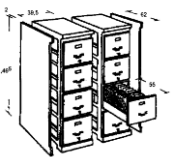
#### 4.1.7 Pendekatan Besaran Ruang

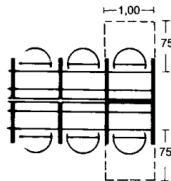
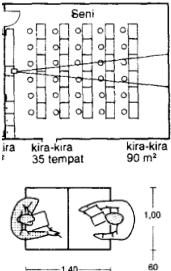
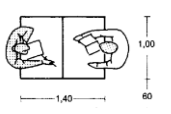
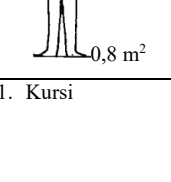
##### 1. Kelompok Pelatihan Seni

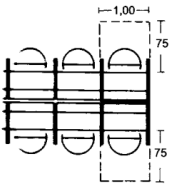
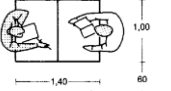
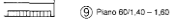
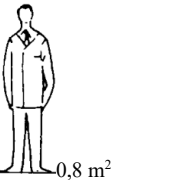
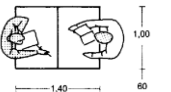
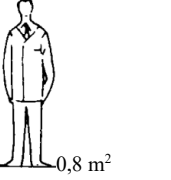
Table 20 Pendekatan Besaran Ruang Pelatihan Seni

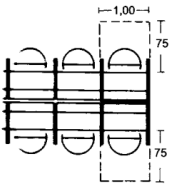
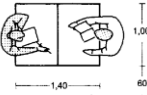
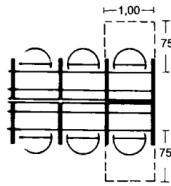
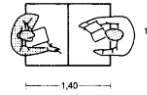
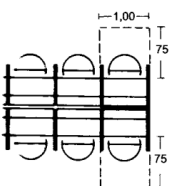
| Nama Ruang      | Sumber | Standar                                                                                                                                                                   | Kapasitas                                               | Jumlah | Perhitungan                                                                                                                                    | Luas Total           |
|-----------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Lobby           | DA     | Orang<br> 0,8 m <sup>2</sup>                                                           | 50% kapasitas siswa<br>50% x 338 siswa/sesi = 169 orang | 1      | Orang<br>0,8 x 169 siswa = 135,2 m <sup>2</sup><br>Sirkulasi 100% x 135,2 = 135,2 m <sup>2</sup><br>Total = 135,2+135,2 = 270,4 m <sup>2</sup> | 270,4 m <sup>2</sup> |
| Ruang Informasi | DA     | 1. Meja & Kursi<br><br>Jarak minimum antar meja<br>0,7 x 1 = 0,7 m <sup>2</sup> /orang | 2 orang                                                 | 1      | 1. Meja & Kursi<br>0,7 x 2 orang = 1,4 m <sup>2</sup><br>2. Orang<br>0,8 x 2 orang = 1,6 m <sup>2</sup><br>Jumlah = 1,4+1,6 = 3 m <sup>2</sup> | 3,9 m <sup>2</sup>   |

|                              |    |                                                                                                                                                                                                                                                                        |          |   |                                                                                                                                                                                                                                                                                                                            |           |
|------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|                              |    | 2. Orang<br><br>0,8 m²                                                                                                                                                                |          |   | Sirkulasi = $30\% \times 3 = 0,9 \text{ m}^2$<br><br>Total = $3 + 0,9 = 3,9 \text{ m}^2$                                                                                                                                                                                                                                   |           |
| Ruang Tamu Administrasi      | DA | 1. Meja & Kursi<br><br>1,4 x 1 = 1,4 m²/2 orang<br>2. Orang<br><br>0,8 m²                           | 4 orang  | 1 | 1. Meja & Kursi<br>$1,4 \times 2 = 2,8 \text{ m}^2$<br>2. Orang<br>$0,8 \times 4 \text{ orang} = 3,2 \text{ m}^2$<br>Jumlah = $2,8 + 3,2 = 6 \text{ m}^2$<br>Sirkulasi = $30\% \times 6 = 1,8 \text{ m}^2$<br><br>Total = $6 + 1,8 = 7,8 \text{ m}^2$                                                                      | 7,8 m²    |
| Ruang Administrasi Pelatihan | DA | 1. Meja, Lemari, dan Kursi<br><br>$2,1 \times 1,86 = 3,91 \text{ m}^2$<br>2. Orang<br><br>0,8 m² | 4 orang  | 1 | 1. Meja, Lemari, dan Kursi<br>$3,91 \text{ m}^2 \times 4 \text{ orang} = 15,64 \text{ m}^2$<br>2. Orang = $0,8 \text{ m}^2 \times 4 \text{ orang} = 3,2 \text{ m}^2$<br>Jumlah = $15,64 + 3,2 = 18,84 \text{ m}^2$<br>Sirkulasi = $30\% \times 18,84 = 5,65 \text{ m}^2$<br><br>Total = $18,84 + 5,65 = 24,49 \text{ m}^2$ | 24,49 m²  |
| Ruang Guru                   | DA | 1. Meja, Lemari, dan Kursi<br><br>$2,1 \times 1,86 = 3,91 \text{ m}^2$<br>2. Orang                                                                                                  | 20 orang | 1 | 1. Meja, Lemari, dan Kursi<br>$3,91 \text{ m}^2 \times 20 \text{ orang} = 78,2 \text{ m}^2$<br>2. Orang = $0,8 \text{ m}^2 \times 4 \text{ orang} = 3,2 \text{ m}^2$<br>Jumlah = $78,2 + 3,2 = 81,4 \text{ m}^2$                                                                                                           | 105,82 m² |

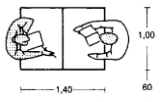
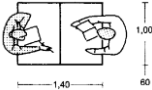
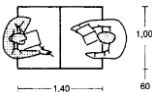
|             |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |   |                                                                                                                                                                                                                                                                                                                                                                                                       |                      |
|-------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|             |    | <br>0,8 m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                             |          |   | <p>Sirkulasi = 30% x 81,4 = 24,42 m<sup>2</sup></p> <p>Total = 81,4+24,42 = 105,82 m<sup>2</sup></p>                                                                                                                                                                                                                                                                                                  |                      |
| Ruang Rapat | DA | <p>1. Rak Buku</p> <br>$0,6 \times 2,4 = 1,44 \text{ m}^2$ <p>2. Meja &amp; Kursi</p> <br><p>Jarak minimum antar meja</p> $0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}$ <p>3. Orang</p> <br>0,8 m <sup>2</sup> | 20 orang | 1 | <p>1. Rak Buku</p> $1,44 \text{ m}^2 \times 2 \text{ rak} = 2,88 \text{ m}^2$ <p>2. Meja &amp; Kursi</p> $0,7 \text{ m}^2 \times 20 \text{ orang} = 14 \text{ m}^2$ <p>3. Orang</p> $0,8 \text{ m}^2 \times 20 \text{ orang} = 1,6 \text{ m}^2$ <p>Jumlah = 2,88+14+1,6 = 18,48 m<sup>2</sup></p> <p>Sirkulasi = 30% x 18,48 = 5,54 m<sup>2</sup></p> <p>Total = 18,48+5,54 = 24,02 m<sup>2</sup></p> | 24,02 m <sup>2</sup> |
| Ruang Arsip | DA | <p>1. Meja &amp; Kursi</p> <br><p>Jarak minimum antar meja</p> $0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}$ <p>2. Lemari arsip</p> <br>$0,4 \times 0,62 = 0,25 \text{ m}^2$ <p>3. Orang</p>                                                                                                  | 2 orang  | 1 | <p>1. Meja &amp; Kursi</p> $0,7 \times 2 \text{ orang} = 1,4 \text{ m}^2$ <p>2. Lemari Arsip</p> $0,25 \times 40 \text{ lemari} = 10 \text{ m}^2$ <p>3. Orang</p> $0,8 \times 2 \text{ orang} = 1,6 \text{ m}^2$ <p>Jumlah = 1,4+10+1,6 = 13 m<sup>2</sup></p> <p>Sirkulasi = 30% x 13 = 3,9 m<sup>2</sup></p> <p>Total = 13+3,9 = 16,9 m<sup>2</sup></p>                                             | 16,9 m <sup>2</sup>  |

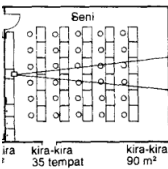
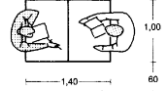
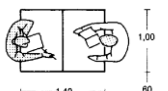
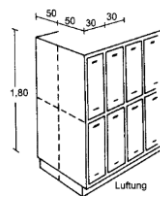
|                     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
|---------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                     |    | <br>0,8 m²                                                                                                                                                                                                                                                                                                                                                              |           |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |
| Aula                | DA | <p>1. Kursi</p> <br>$1 \times 0,75 = 0,75 \text{ m}^2$ <p>2. Orang</p> <br>0,8 m²                                                                                                                                                                                                      | 200 orang | 1 | <p>1. Kursi</p> $0,75 \times 200 = 150 \text{ m}^2$ <p>2. Orang</p> $0,8 \times 150 \text{ orang} = 120 \text{ m}^2$ <p>Jumlah = <math>150 + 120 = 270 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 270 = 81 \text{ m}^2</math></p> <p>Total = <math>270 + 81 = 351 \text{ m}^2</math></p>                                                                                                                                                  | 351 m²   |
| Kelas Teori Musik   | DA | <p>1. Meja &amp; Kursi Siswa</p> <br>$0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}$ <p>2. Meja &amp; Kursi Guru</p> <br>$0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}$ <p>3. Orang</p> <br>0,8 m² | 15 orang  | 6 | <p>1. Meja &amp; Kursi Siswa</p> $0,7 \times 15 \text{ orang} = 10,5 \text{ m}^2$ <p>2. Meja &amp; Kursi Guru</p> $0,7 \times 1 \text{ orang} = 0,7 \text{ m}^2$ <p>3. Orang</p> $0,8 \times 16 \text{ orang} = 12,8 \text{ m}^2$ <p>Jumlah = <math>10,5 + 0,7 + 12,8 = 24 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 24 = 7,2 \text{ m}^2</math></p> <p>Total = <math>(24 + 7,2) \times 6 = 31,2 \times 6 = 187,2 \text{ m}^2</math></p> | 187,2 m² |
| Ruang Praktik Vokal | DA | <p>1. Kursi</p> <br>$0,75 \times 10 \text{ kursi} = 7,5 \text{ m}^2$                                                                                                                                                                                                                                                                                                  | 10 orang  | 3 | <p>1. Kursi</p> $0,75 \times 10 \text{ kursi} = 7,5 \text{ m}^2$                                                                                                                                                                                                                                                                                                                                                                                       | 60,21 m² |

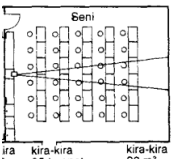
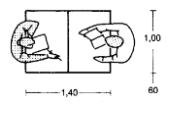
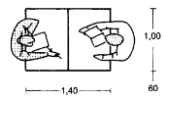
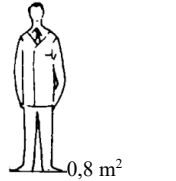
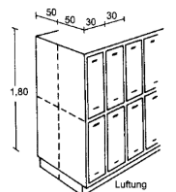
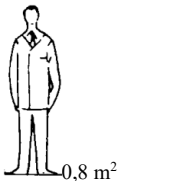
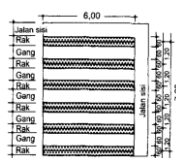
|                     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |   |                                                                                                                                                                                                                                                                                                                                                                     |                      |
|---------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                     |    |  <p>1 x 0,75 = 0,75 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p>  <p>0,7 x 1 = 0,7 m<sup>2</sup>/orang</p> <p>3. Piano</p>  <p>0,6 x 1,4 = 0,84 m<sup>2</sup></p> <p>4. Orang</p>  <p>0,8 m<sup>2</sup></p>           |          |   | <p>2. Meja &amp; Kursi Guru</p> <p>0,7 x 1 = 0,7 m<sup>2</sup></p> <p>3. Piano</p> <p>0,84 x 1 piano = 0,84 m<sup>2</sup></p> <p>4. Orang</p> <p>0,8 x 8 orang = 6,4 m<sup>2</sup></p> <p>Jumlah = 7,5+0,7+0,84+6,4 = 15,44 m<sup>2</sup></p> <p>Sirkulasi = 30% x 15,44 = 4,63 m<sup>2</sup></p> <p>Total = (15,44+4,63) x 3 = 20,07 x 3 = 60,21 m<sup>2</sup></p> |                      |
| Ruang Praktik Piano | DA | <p>1. Piano</p>  <p>0,6 x 1,4 = 0,84 m<sup>2</sup></p>  <p>1,55 x 1,44 = 2,23 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p>  <p>0,7 x 1 = 0,7 m<sup>2</sup>/orang</p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p> | 2 orang  | 2 | <p>1. Piano</p> <p>0,84+2,23 = 3,07 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p> <p>0,7 x 1 orang = 0,7 m<sup>2</sup></p> <p>3. Orang</p> <p>0,8 x 2 orang = 1,6 m<sup>2</sup></p> <p>Jumlah = 3,07+0,7+1,6 = 5,37 m<sup>2</sup></p> <p>Sirkulasi = 30% x 5,37 = 1,61 m<sup>2</sup></p> <p>Total = (5,37+1,61) x 2 = 6,98 x 2 = 13,96 m<sup>2</sup></p>        | 13,96 m <sup>2</sup> |
| Ruang Praktik Gitar | DA | <p>1. Kursi</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 orang | 3 | <p>1. Kursi</p> <p>0,75 x 10 kursi = 7,5 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p>                                                                                                                                                                                                                                                                          | 63,18 m <sup>2</sup> |

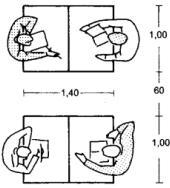
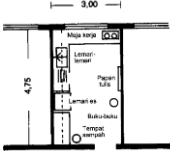
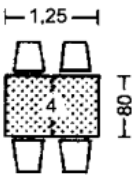
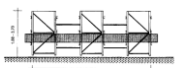
|                     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |   |                                                                                                                                                                                                                                                                                                                                                          |          |
|---------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                     |    |  <p>1 x 0,75 = 0,75 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p>  <p>0,7 x 1 = 0,7 m<sup>2</sup>/orang</p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p>                      |          |   | <p>0,7 x 1 = 0,7 m<sup>2</sup></p> <p>3. Orang</p> <p>0,8 x 10 orang = 8 m<sup>2</sup></p> <p>Jumlah = 7,5+0,7+8 = 16,2 m<sup>2</sup></p> <p>Sirkulasi = 30% x 16,2 = 4,86 m<sup>2</sup></p> <p>Total = (16,2+4,86) x 3 = 21,06 x 3 = 63,18 m<sup>2</sup></p>                                                                                            |          |
| Ruang Praktik Bass  | DA | <p>1. Kursi</p>  <p>1 x 0,75 = 0,75 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p>  <p>0,7 x 1 = 0,7 m<sup>2</sup>/orang</p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p> | 10 orang | 3 | <p>1. Kursi</p> <p>0,75 x 10 kursi = 7,5 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p> <p>0,7 x 1 = 0,7 m<sup>2</sup></p> <p>3. Orang</p> <p>0,8 x 10 orang = 8 m<sup>2</sup></p> <p>Jumlah = 7,5+0,7+8 = 16,2 m<sup>2</sup></p> <p>Sirkulasi = 30% x 16,2 = 4,86 m<sup>2</sup></p> <p>Total = (16,2+4,86) x 3 = 21,06 x 3 = 63,18 m<sup>2</sup></p> | 63,18 m2 |
| Ruang Praktik Biola | DA | <p>1. Kursi</p>  <p>1 x 0,75 = 0,75 m<sup>2</sup></p>                                                                                                                                                                                                                                                                                          | 10 orang | 3 | <p>1. Kursi</p> <p>0,75 x 10 kursi = 7,5 m<sup>2</sup></p> <p>2. Meja &amp; Kursi Guru</p> <p>0,7 x 1 = 0,7 m<sup>2</sup></p> <p>3. Orang</p>                                                                                                                                                                                                            | 63,18 m2 |

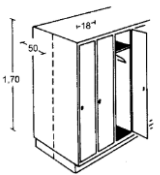
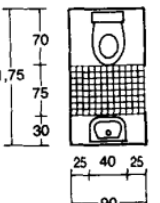
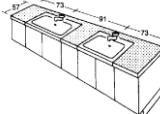


|                    |    |                                                                                                                                                                                                                                                                                                                                                                   |          |   |                                                                                                                                                                                                                                                                                                                                                                                         |                      |
|--------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                    |    | <p><math>1 \times 0,75 = 0,75 \text{ m}^2</math></p> <p>2. Meja &amp; Kursi Guru</p>  <p><math>0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}</math></p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p> |          |   | <p><math>0,8 \times 10 \text{ orang} = 8 \text{ m}^2</math></p> <p>Jumlah = <math>7,5 + 0,7 + 8 = 16,2 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 16,2 = 4,86 \text{ m}^2</math></p> <p>Total = <math>(16,2 + 4,86) \times 3 = 21,06 \times 3 = 63,18 \text{ m}^2</math></p>                                                                                               |                      |
| Ruang Praktik Drum | DA | <p>1. Meja &amp; Kursi Guru</p>  <p><math>0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}</math></p> <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                    | 5 orang  | 2 | <p>1. Meja &amp; Kursi Guru</p> <p><math>0,7 \times 1 = 0,7 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 5 \text{ orang} = 4 \text{ m}^2</math></p> <p>Jumlah = <math>0,7 + 4 = 4,7 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 4,7 = 1,41 \text{ m}^2</math></p> <p>Total = <math>(4,7 + 1,41) \times 2 = 6,11 \times 2 = 12,22 \text{ m}^2</math></p>       | 12,22 m <sup>2</sup> |
| Studio Musik       | DA | <p>1. Piano</p>  <p><math>0,6 \times 1,4 = 0,84 \text{ m}^2</math></p> <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                            | 10 orang | 2 | <p>1. Piano</p> <p><math>0,84 \times 1 \text{ piano} = 0,84 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 10 \text{ orang} = 8 \text{ m}^2</math></p> <p>Jumlah = <math>0,84 + 8 = 8,84 \text{ m}^2</math></p> <p>Sirkulasi = <math>50\% \times 8,84 = 4,42 \text{ m}^2</math></p> <p>Total = <math>(8,84 + 4,42) \times 2 = 13,26 \times 2 = 26,52 \text{ m}^2</math></p> | 26,52 m <sup>2</sup> |
| Studio Rekaman     | DA | <p>1. Meja &amp; Kursi</p>  <p><math>0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}</math></p>                                                                                                                                                                                    | 10 orang | 1 | <p>1. Meja &amp; Kursi</p> <p><math>0,7 \times 2 \text{ orang} = 1,4 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 10 \text{ orang} = 8 \text{ m}^2</math></p>                                                                                                                                                                                                             | 12,22 m <sup>2</sup> |

|                    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |
|--------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                    |    | <p>2. Orang</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |   | <p>Jumlah = <math>1,4+8 = 9,4 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 9,4 = 2,82 \text{ m}^2</math></p> <p>Total = <math>9,4+2,82 = 12,22 \text{ m}^2</math></p>                                                                                                                                                                                                                                                                                                            |                      |
| Kelas Teori Tari   | DA | <p>1. Meja &amp; Kursi Siswa</p>   <p><math>0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}</math></p> <p>2. Meja &amp; Kursi Guru</p>  <p><math>0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}</math></p> <p>3. Orang</p>  | 20 orang | 2 | <p>1. Meja &amp; Kursi Siswa</p> <p><math>0,7 \times 20 \text{ orang} = 14 \text{ m}^2</math></p> <p>2. Meja &amp; Kursi Guru</p> <p><math>0,7 \times 1 \text{ orang} = 0,7 \text{ m}^2</math></p> <p>3. Orang</p> <p><math>0,8 \times 21 \text{ orang} = 16,8 \text{ m}^2</math></p> <p>Jumlah = <math>14+0,7+16,8 = 31,5 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 31,5 = 9,45 \text{ m}^2</math></p> <p>Total = <math>(31,5 + 9,45) \times 2 = 81,9 \text{ m}^2</math></p> | 81,9 m <sup>2</sup>  |
| Ruang Praktik Tari | DA | <p>1. Loker</p>  <p><math>1,5 \times 0,5 = 0,75 \text{ m}^2</math></p> <p>2. Orang</p>                                                                                                                                                                                                                                                                                                | 15 orang | 4 | <p>1. Loker</p> <p><math>0,75 \times 3 \text{ loker} = 2,25 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 15 \text{ orang} = 12 \text{ m}^2</math></p> <p>Jumlah = <math>2,25+12 = 14,25 \text{ m}^2</math></p> <p>Sirkulasi = <math>50\% \times 14,25 = 7,12 \text{ m}^2</math></p> <p>Total = <math>(14,25+7,12) \times 4 = 85,48 \text{ m}^2</math></p>                                                                                                                     | 85,48 m <sup>2</sup> |

|                      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |
|----------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Kelas Teori Teater   | DA | <p>1. Meja &amp; Kursi Siswa</p>   <p><math>0,7 \times 1 = 0,7</math><br/><math>\text{m}^2/\text{orang}</math></p> <p>2. Meja &amp; Kursi Guru</p>  <p><math>0,7 \times 1 = 0,7</math><br/><math>\text{m}^2/\text{orang}</math></p> <p>3. Orang</p>  <p>0,8 <math>\text{m}^2</math></p> | 25 orang  | 1 | <p>1. Meja &amp; Kursi Siswa</p> <p><math>0,7 \times 25 \text{ orang} = 17,5 \text{ m}^2</math></p> <p>2. Meja &amp; Kursi Guru</p> <p><math>0,7 \times 1 \text{ orang} = 0,7 \text{ m}^2</math></p> <p>3. Orang</p> <p><math>0,8 \times 26 \text{ orang} = 20,8 \text{ m}^2</math></p> <p>Jumlah = <math>17,5 + 0,7 + 20,8 = 39 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 39 = 11,7 \text{ m}^2</math></p> <p>Total = <math>39 + 11,7 = 50,7 \text{ m}^2</math></p> | 50,7 $\text{m}^2$   |
| Ruang Praktik Teater | DA | <p>1. Loker</p>  <p><math>1,5 \times 0,5 = 0,75 \text{ m}^2</math></p> <p>2. Orang</p>  <p>0,8 <math>\text{m}^2</math></p>                                                                                                                                                                                                                                                                                                                             | 25 orang  | 2 | <p>1. Loker</p> <p><math>0,75 \times 3 \text{ loker} = 2,25 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 25 \text{ orang} = 20 \text{ m}^2</math></p> <p>Jumlah = <math>2,25 + 20 = 22,25 \text{ m}^2</math></p> <p>Sirkulasi = <math>50\% \times 22,25 = 11,12 \text{ m}^2</math></p> <p>Total = <math>(22,5 + 11,12) \times 2 = 33,62 \times 2 = 67,24 \text{ m}^2</math></p>                                                                                      | 67,24 $\text{m}^2$  |
| Perpustakaan         | DA | <p>1. Rak Buku</p>  <p><math>0,6 \times 2,4 = 1,44 \text{ m}^2</math></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100 orang | 1 | <p>4. Rak Buku</p> <p><math>1,44 \text{ m}^2 \times 20 \text{ rak} = 28,8 \text{ m}^2</math></p> <p>5. Meja &amp; Kursi Baca</p> <p><math>1,4 \text{ m}^2 \times 50 \text{ pasang} = 70 \text{ m}^2</math></p> <p>6. Orang</p>                                                                                                                                                                                                                                                     | 232,44 $\text{m}^2$ |

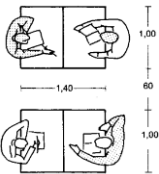
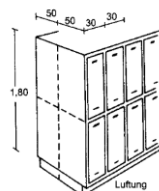
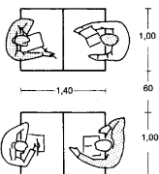
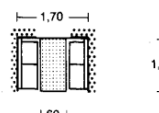
|              |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
|--------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|              |    | <p>2. Meja &amp; Kursi Baca</p>  <p><math>1,4 \times 1 = 1,4 \text{ m}^2/2</math><br/>orang</p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                                                                                              |         |   | <p><math>0,8 \text{ m}^2 \times 100 \text{ orang}</math><br/><math>= 80 \text{ m}^2</math></p> <p>Jumlah = <math>28,8 + 70 + 80</math><br/><math>= 178,8 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 178,8 = 53,64 \text{ m}^2</math></p> <p>Total = <math>178,8 + 53,64 = 232,44 \text{ m}^2</math></p>                                                                                                                            |                      |
| Dapur Staff  | DA | <p>1. Kitchen Set</p>  <p><math>3 \times 4,75 = 14,25 \text{ m}^2</math></p> <p>2. Meja Makan</p>  <p><math>1,25 \times 0,8 = 1 \text{ m}^2</math></p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p> | 5 orang | 1 | <p>1. Kitchen Set<br/><math>14,25 \times 1 \text{ set} = 14,25 \text{ m}^2</math></p> <p>2. Meja Makan<br/><math>1 \times 2 \text{ set} = 2 \text{ m}^2</math></p> <p>3. Orang<br/><math>0,8 \times 5 \text{ orang} = 4 \text{ m}^2</math></p> <p>Jumlah = <math>14,25 + 2 + 4 = 20,25 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 20,25 = 6,08 \text{ m}^2</math></p> <p>Total = <math>20,25 + 6,08 = 26,33 \text{ m}^2</math></p> | 26,33 m <sup>2</sup> |
| Gudang       | DA | <p>1. Rak penyimpanan</p>  <p><math>2 \times 5 = 10 \text{ m}^2</math></p> <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                                                                                                               | 5 orang | 1 | <p>1. Rak Penyimpanan<br/><math>10 \times 1 = 10 \text{ m}^2</math></p> <p>2. Orang<br/><math>0,8 \times 5 = 4 \text{ m}^2</math></p> <p>Jumlah = <math>10 + 4 = 14 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 14 = 4,2 \text{ m}^2</math></p> <p>Total = <math>14 + 4,2 = 18,2 \text{ m}^2</math></p>                                                                                                                             | 18,2 m <sup>2</sup>  |
| Ruang Servis | DA | <p>1. Lemari</p>                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 orang | 3 | <p>1. Lemari</p>                                                                                                                                                                                                                                                                                                                                                                                                                                | 2,73 m <sup>2</sup>  |

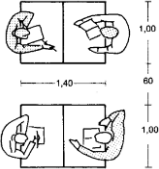
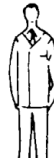
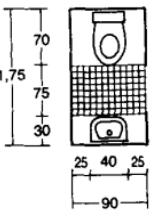
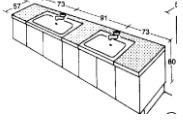
|                                   |    |                                                                                                                                                                                                                                                                                                                             |         |   |                                                                                                                                                                                                                                                                                                                                       |                      |
|-----------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                   |    |  <p>0,5 x 1 = 0,5 m<sup>2</sup><br/>2. Orang</p> <p>0,8 m<sup>2</sup></p>                                                                                                                                                                  |         |   | <p>0,5 x 1 lemari = 0,5 m<sup>2</sup><br/>2. Orang<br/>0,8 x 2 orang = 1,6 m<sup>2</sup><br/>Jumlah = 0,5+1,6 = 2,1 m<sup>2</sup><br/>Sirkulasi = 30% x 2,1 = 0,63 m<sup>2</sup><br/>Total = 2,1+0,63 = 2,73 m<sup>2</sup></p>                                                                                                        |                      |
| Toilet                            | DA | <p>1. Closet</p>  <p>1,75 x 0,9 = 1,58 m<sup>2</sup><br/>2. Westafel</p>  <p>0,57 x 2,37 = 1,35 m<sup>2</sup><br/>3. Orang</p> <p>0,8 m<sup>2</sup></p> | 4 orang | 6 | <p>1. Closet<br/>1,58 x 4 bilik = 6,32 m<sup>2</sup><br/>2. Westafel<br/>1,35 x 1 pasang = 1,35 m<sup>2</sup><br/>3. Orang<br/>0,8 x 4 orang = 3,2 m<sup>2</sup><br/>Jumlah = 6,32+1,35+3,2 = 10,87 m<sup>2</sup><br/>Sirkulasi = 30% x 10,87 = 3,26 m<sup>2</sup><br/>Total = (10,87+3,26) x 6 = 14,13 x 6 = 84,78 m<sup>2</sup></p> | 84,78 m <sup>2</sup> |
| Total Luas = 1.961 m <sup>2</sup> |    |                                                                                                                                                                                                                                                                                                                             |         |   |                                                                                                                                                                                                                                                                                                                                       |                      |

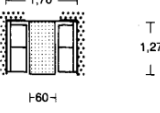
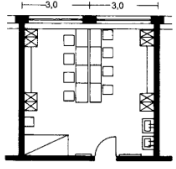
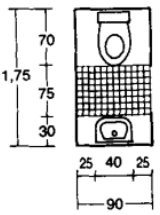
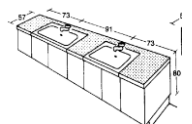
## 2. Kelompok Pertunjukkan Seni

Table 21 Pendekatan Besaran Ruang Pertunjukkan Seni

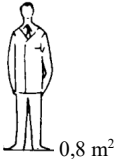
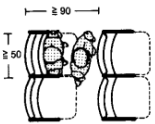
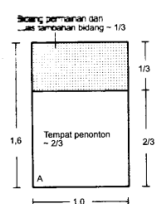
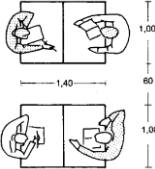
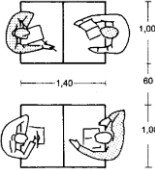
| Nama Ruang | Sumber | Standar                                                                                                                   | Kapasitas                                               | Jumlah | Perhitungan                                                                                                                         | Luas Total         |
|------------|--------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Lobby      | DA     | <p>Orang</p>  <p>0,8 m<sup>2</sup></p> | <p>50% kapasitas auditorium = 50% x 300 = 150 orang</p> | 1      | <p>Orang<br/>0,8 x 150 = 120 m<sup>2</sup><br/>Sirkulasi 100% x 120 = 120 m<sup>2</sup><br/>Total = 120+120 = 240 m<sup>2</sup></p> | 240 m <sup>2</sup> |

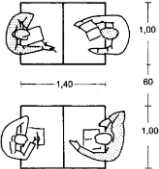
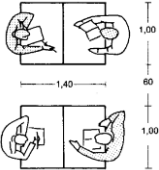
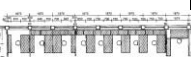
|                        |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
|------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Information Center     | DA | <p>1. Meja &amp; Kursi</p>  <p>Jarak minimum antar meja</p> <p><math>0,7 \times 1 = 0,7</math><br/><math>\text{m}^2/\text{orang}</math></p> <p>2. Orang</p>  <p><math>0,8 \text{ m}^2</math></p>                                                                                                                                   | 2 orang  | 1 | <p>1. Meja &amp; Kursi</p> <p><math>0,7 \times 2 \text{ orang} = 1,4 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 2 \text{ orang} = 1,6 \text{ m}^2</math></p> <p>Jumlah = <math>1,4 + 1,6 = 3 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 3 = 0,9 \text{ m}^2</math></p> <p>Total = <math>3 + 0,9 = 3,9 \text{ m}^2</math></p>                                                                                                                                                 | $3,9 \text{ m}^2$   |
| Loker Penitipan Barang | DA | <p>1. Loker</p>  <p><math>1,5 \times 0,5 = 0,75 \text{ m}^2</math></p> <p>2. Meja &amp; Kursi Penjaga Loker</p>  <p>Jarak minimum antar meja</p> <p><math>0,7 \times 1 = 0,7</math></p> <p>3. Orang</p>  <p><math>0,8 \text{ m}^2</math></p> | 2 orang  | 4 | <p>1. Loker</p> <p><math>0,75 \times 3 \text{ loker} = 2,25 \text{ m}^2</math></p> <p>2. Meja &amp; Kursi Penjaga Loker</p> <p><math>0,7 \times 2 \text{ orang} = 1,4 \text{ m}^2</math></p> <p>3. Orang</p> <p><math>0,8 \times 2 \text{ orang} = 1,6 \text{ m}^2</math></p> <p>Jumlah = <math>2,25 + 1,4 + 1,6 = 5,25 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 5,25 = 1,58 \text{ m}^2</math></p> <p>Total = <math>(5,25 + 1,58) \times 4 = 6,83 \times 4 = 27,32 \text{ m}^2</math></p> | $27,32 \text{ m}^2$ |
| Lounge                 | DA | <p>1. Ruang Tamu</p>  <p><math>1,7 \times 1,27 = 2,16 \text{ m}^2</math></p> <p>2. Orang</p>                                                                                                                                                                                                                                                                                                                      | 30 orang | 1 | <p>1. Ruang Tamu</p> <p><math>2,16 \times 8 \text{ set} = 17,28 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 30 = 24 \text{ m}^2</math></p> <p>Jumlah = <math>17,28 + 24 = 41,28 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 41,28 = 12,38 \text{ m}^2</math></p>                                                                                                                                                                                                               | $53,66 \text{ m}^2$ |

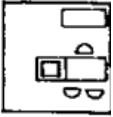
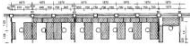
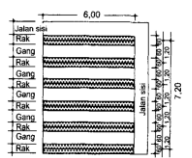
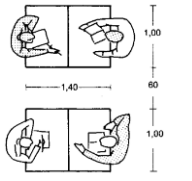
|                   |    |                                                                                                                                                                                                                                                                                                                                                                                                          |         |   |                                                                                                                                                                                                                                                                                                                                                         |                       |
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|                   |    | <br>0,8 m <sup>2</sup>                                                                                                                                                                                                                                                                                                  |         |   | Total = 41,28+12,38<br>= 53,66 m <sup>2</sup>                                                                                                                                                                                                                                                                                                           |                       |
| Loket Tiket       | DA | 1. Meja & Kursi<br><br>0,7 x 1 = 0,7<br>m <sup>2</sup> /orang<br>2. Orang<br><br>0,8 m <sup>2</sup>                                                                                                                                    | 2 orang | 1 | 1. Meja & Kursi<br>0,7 x 2 orang = 1,4<br>m <sup>2</sup><br>2. Orang<br>0,8 x 2 orang = 1,6<br>m <sup>2</sup><br>Jumlah = 1,4+1,6 = 3<br>m <sup>2</sup><br>Sirkulasi = 30% x 3 =<br>0,9 m <sup>2</sup><br><br>Total = 3+0,9 = 3,9 m <sup>2</sup>                                                                                                        | 3,9 m <sup>2</sup>    |
| Ruang Checking    | DA | Orang<br><br>0,8 m <sup>2</sup>                                                                                                                                                                                                                                                                                       | 2 orang | 2 | Orang<br>0,8 x 2 orang = 1,6 m <sup>2</sup><br>Sirkulasi = 50% x 1,6<br>= 0,8 m <sup>2</sup><br><br>Total = (1,6+0,8) x 2<br>= 2,4 x 2 = 4,8 m <sup>2</sup>                                                                                                                                                                                             | 4,8 m <sup>2</sup>    |
| Toilet Pengunjung | DA | 1. Closet<br><br>1,75 x 0,9 = 1,58 m <sup>2</sup><br>2. Westafel<br><br>0,57 x 2,37 = 1,35 m <sup>2</sup><br>3. Orang<br><br>0,8 m <sup>2</sup> | 6 orang | 4 | 1. Closet<br>1,58 x 6 bilik =<br>9,48 m <sup>2</sup><br>2. Westafel<br>1,35 x 2 pasang =<br>2,7 m <sup>2</sup><br>3. Orang<br>0,8 x 6 orang = 4,8<br>m <sup>2</sup><br>Jumlah =<br>9,48+2,7+4,8 = 16,98<br>m <sup>2</sup><br>Sirkulasi = 30% x<br>16,98 = 5,09 m <sup>2</sup><br><br>Total = (16,98+5,09)<br>x 6 = 22,07 x 6 =<br>132,42 m <sup>2</sup> | 132,42 m <sup>2</sup> |

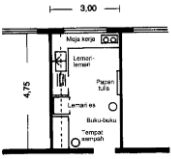
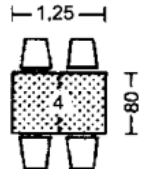
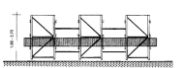
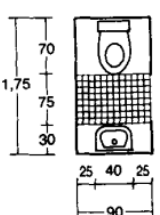
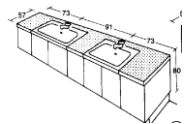
|                        |    |                                                                                                                                                                                                                                                                                                                                            |          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |
|------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Lobby Penampil         | DA | <p>Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                                                                                                                                                                    | 10 orang | 1 | <p>Orang</p> <p><math>0,8 \times 10 \text{ orang} = 8 \text{ m}^2</math></p> <p>Sirkulasi = <math>100\% \times 8 = 8 \text{ m}^2</math></p> <p>Total = <math>8+8 = 16 \text{ m}^2</math></p>                                                                                                                                                                                                                                                                                        | 16 m <sup>2</sup>    |
| Lounge Penampil        | DA | <p>1. Ruang Tamu</p>  <p><math>1,7 \times 1,27 = 2,16 \text{ m}^2</math></p> <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                   | 10 orang | 1 | <p>1. Ruang Tamu</p> <p><math>2,16 \times 2 \text{ set} = 4,32 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 10 = 8 \text{ m}^2</math></p> <p>Jumlah = <math>4,32+8 = 12,32 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 12,32 = 3,7 \text{ m}^2</math></p> <p>Total = <math>12,32+3,7 = 16,02 \text{ m}^2</math></p>                                                                                                                                       | 16,02 m <sup>2</sup> |
| Ruang Latihan          | DA | <p>Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                                                                                                                                                                   | 20 orang | 1 | <p>Orang</p> <p><math>0,8 \times 20 \text{ orang} = 16 \text{ m}^2</math></p> <p>Sirkulasi = <math>100\% \times 16 = 16 \text{ m}^2</math></p> <p>Total = <math>16+16 = 32 \text{ m}^2</math></p>                                                                                                                                                                                                                                                                                   | 32 m <sup>2</sup>    |
| Ruang Ganti dan Makeup | DA |  <p><math>6 \times 6 = 36 \text{ m}^2</math></p>                                                                                                                                                                                                        | 8 orang  | 1 | <p><math>36 \text{ m}^2 \times 1 \text{ ruang} = 36 \text{ m}^2</math></p>                                                                                                                                                                                                                                                                                                                                                                                                          | 36 m <sup>2</sup>    |
| Toilet Penampil        | DA | <p>1. Closet</p>  <p><math>1,75 \times 0,9 = 1,58 \text{ m}^2</math></p> <p>2. Westafel</p>  <p><math>0,57 \times 2,37 = 1,35 \text{ m}^2</math></p> <p>3. Orang</p> | 3 orang  | 2 | <p>1. Closet</p> <p><math>1,58 \times 3 \text{ bilik} = 4,74 \text{ m}^2</math></p> <p>2. Westafel</p> <p><math>1,35 \times 1 \text{ pasang} = 1,35 \text{ m}^2</math></p> <p>3. Orang</p> <p><math>0,8 \times 3 \text{ orang} = 2,4 \text{ m}^2</math></p> <p>Jumlah = <math>4,74+1,35+2,4 = 8,49 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 8,49 = 2,55 \text{ m}^2</math></p> <p>Total = <math>(8,49+2,55) \times 2 = 11,04 \times 2 = 22,08 \text{ m}^2</math></p> | 22,08 m <sup>2</sup> |



|                        |    |                                                                                                                                                                                                                                                                                                                           |           |   |                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
|------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|                        |    |  <p>0,8 m<sup>2</sup></p>                                                                                                                                                                                                                |           |   |                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
| Auditorium             | DA | <p>1. Kursi Penonton</p>  <p>0,9 x 0,5 = 0,45 m<sup>2</sup></p> <p>2. Panggung</p>  <p>1/3 luas kursi penonton</p>                                      | 350 orang | 1 | <p>1. Kursi Penonton</p> $0,45 \times 350 \text{ orang} = 157,5 \text{ m}^2$ <p>2. Panggung</p> $\frac{1}{3} \times \text{Luas Penonton} = \frac{1}{3} \times 157,5 \text{ m}^2 = 52,5 \text{ m}^2$ <p>3. Orang</p> $0,8 \times 350 \text{ orang} = 280 \text{ m}^2$ <p>Jumlah = 157,5 + 52,5 + 280 = 490</p> <p>Sirkulasi = 30% x 490 = 147 m<sup>2</sup></p> <p>Total = 490 + 147 = 637 m<sup>2</sup></p> | 637 m <sup>2</sup>  |
| Ruang Dekorasi         | DA | <p>1. Meja &amp; Kursi</p>  <p>Jarak minimum antar meja</p> $0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}$ <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p> | 5 orang   | 1 | <p>1. Meja &amp; Kursi</p> $0,7 \times 5 \text{ orang} = 3,5 \text{ m}^2$ <p>2. Orang</p> $0,8 \times 5 \text{ orang} = 4 \text{ m}^2$ <p>Jumlah = 3,5 + 4 = 7,5 m<sup>2</sup></p> <p>Sirkulasi = 7,5 x 30% = 2,25 m<sup>2</sup></p> <p>Total = 7,5 + 2,25 = 9,75 m<sup>2</sup></p>                                                                                                                         | 9,75 m <sup>2</sup> |
| Ruang Kontrol Lighting | DA | <p>1. Meja &amp; Kursi</p>  <p>Jarak minimum antar meja</p> $0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}$                                                                                                                              | 5 orang   | 1 | <p>1. Meja &amp; Kursi</p> $0,7 \times 5 \text{ orang} = 3,5 \text{ m}^2$ <p>2. Orang</p> $0,8 \times 5 \text{ orang} = 4 \text{ m}^2$ <p>Jumlah = 3,5 + 4 = 7,5 m<sup>2</sup></p>                                                                                                                                                                                                                          | 9,75 m <sup>2</sup> |

|                            |    |                                                                                                                                                                                                                                                                                                                                          |          |   |                                                                                                                                                                                                                                                                                                                                                                    |                      |
|----------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                            |    | <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                                                                                                                                                               |          |   | <p>Sirkulasi = <math>7,5 \times 30\%</math><br/>= 2,25 m<sup>2</sup></p> <p>Total =<br/><math>7,5 + 2,25 = 9,75 \text{ m}^2</math></p>                                                                                                                                                                                                                             |                      |
| Ruang Kontrol Sound System | DA | <p>1. Meja &amp; Kursi</p>  <p>Jarak minimum antar meja<br/><math>0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}</math></p> <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p>    | 5 orang  | 1 | <p>1. Meja &amp; Kursi<br/><math>0,7 \times 5 \text{ orang} = 3,5 \text{ m}^2</math></p> <p>2. Orang<br/><math>0,8 \times 5 \text{ orang} = 4 \text{ m}^2</math></p> <p>Jumlah = <math>3,5 + 4 = 7,5 \text{ m}^2</math></p> <p>Sirkulasi = <math>7,5 \times 30\%</math><br/>= 2,25 m<sup>2</sup></p> <p>Total =<br/><math>7,5 + 2,25 = 9,75 \text{ m}^2</math></p> | 9,75 m <sup>2</sup>  |
| Ruang Koordinator          | DA | <p>1. Meja &amp; Kursi</p>  <p>Jarak minimum antar meja<br/><math>0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}</math></p> <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p> | 10 orang | 1 | <p>1. Meja &amp; Kursi<br/><math>0,7 \times 10 \text{ orang} = 7 \text{ m}^2</math></p> <p>2. Orang<br/><math>0,8 \times 10 = 8 \text{ m}^2</math></p> <p>Jumlah = <math>7 + 8 = 15 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 15</math><br/>= 4,5 m<sup>2</sup></p> <p>Total = <math>15 + 4,5 = 19,5 \text{ m}^2</math></p>                          | 19,5 m <sup>2</sup>  |
| Ruang Administrasi         | DA | <p>1. Meja, Lemari, dan Kursi</p>  <p><math>2,1 \times 1,86 = 3,91 \text{ m}^2</math></p> <p>2. Orang</p>                                                                                                                                             | 4 orang  | 1 | <p>1. Meja, Lemari, dan Kursi<br/><math>3,91 \text{ m}^2 \times 4 \text{ orang} = 15,64 \text{ m}^2</math></p> <p>2. Orang<br/><math>0,8 \text{ m}^2 \times 4 \text{ orang} = 3,2 \text{ m}^2</math></p> <p>Jumlah = <math>15,64 + 3,2 = 18,84 \text{ m}^2</math></p>                                                                                              | 24,49 m <sup>2</sup> |

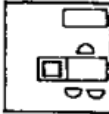
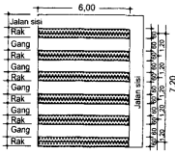
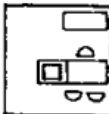
|                           |    |                                                                                                                                                                                                                                                                                                                                                                                               |          |   |                                                                                                                                                                                                                                                                                                      |          |
|---------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                           |    | <br>0,8 m²                                                                                                                                                                                                                                                                                                   |          |   | <p>Sirkulasi = 30% x 18,84 = 5,65 m²</p> <p>Total = 18,84+5,65 = 24,49 m²</p>                                                                                                                                                                                                                        |          |
| Ruang Divisi Pertunjukkan | DA | <p>1. Ruang Kabag</p> <br>12,50 m²<br>12,5 m² <p>2. Meja, Lemari, dan Kursi Staff</p> <br>2,1 x 1,86 = 3,91 m² <p>3. Orang</p> <br>0,8 m² | 4 orang  | 1 | <p>1. Ruang Kabag</p> <p>12,5 x 1 ruang = 12,5 m²</p> <p>2. Meja, Lemari, dan Kursi Staff</p> <p>3,91 x 3 orang = 11,73 m²</p> <p>3. Orang</p> <p>0,8 x 4 orang = 3,2 m²</p> <p>Jumlah = 12,5+11,73+3,2 = 27,43 m²</p> <p>Sirkulasi = 30% x 27,43 = 8,23 m²</p> <p>Total = 27,43+8,23 = 35,66 m²</p> | 35,66 m² |
| Ruang Rapat               | DA | <p>1. Rak Buku</p> <br>0,6 x 2,4 = 1,44 m² <p>2. Meja &amp; Kursi</p> <br>0,7 x 1 = 0,7 m²/orang <p>3. Orang</p> <br>0,8 m²          | 20 orang | 1 | <p>1. Rak Buku</p> <p>1,44 m² x 2 rak = 2,88 m²</p> <p>2. Meja &amp; Kursi</p> <p>0,7 m² x 20 orang = 14 m²</p> <p>Orang</p> <p>0,8 m² x 20 orang = 1,6 m²</p> <p>Jumlah = 2,88+14+1,6 = 18,48 m²</p> <p>Sirkulasi = 30% x 18,48 = 5,54 m²</p> <p>Total = 18,48+5,54 = 24,02 m²</p>                  | 24,02 m² |
| Dapur Staff               | DA | <p>1. Kitchen Set</p>                                                                                                                                                                                                                                                                                                                                                                         | 5 orang  | 1 | <p>1. Kitchen Set</p>                                                                                                                                                                                                                                                                                | 26,33 m² |

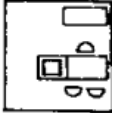
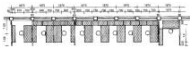
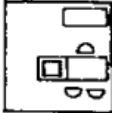
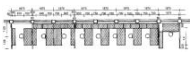
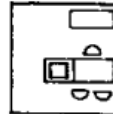
|              |    |                                                                                                                                                                                                                                                                                                                                                                                                                               |         |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |
|--------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|              |    |  <p><math>3 \times 4,75 = 14,25 \text{ m}^2</math></p> <p>2. Meja Makan</p>  <p><math>1,25 \times 0,8 = 1 \text{ m}^2</math></p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p> |         |   | <p><math>14,25 \times 1 \text{ set} = 14,25 \text{ m}^2</math></p> <p>2. Meja Makan</p> <p><math>1 \times 2 \text{ set} = 2 \text{ m}^2</math></p> <p>3. Orang</p> <p><math>0,8 \times 5 \text{ orang} = 4 \text{ m}^2</math></p> <p>Jumlah = <math>14,25 + 2 + 4 = 20,25 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 20,25 = 6,08 \text{ m}^2</math></p> <p>Total = <math>20,25 + 6,08 = 26,33 \text{ m}^2</math></p>                                          |                      |
| Gudang       | DA | <p>1. Rak penyimpanan</p>  <p><math>10 \times 1 = 10 \text{ m}^2</math></p> <p>2. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                                                                                    | 5 orang | 1 | <p>1. Rak Penyimpanan</p> <p><math>10 \times 1 = 10 \text{ m}^2</math></p> <p>2. Orang</p> <p><math>0,8 \times 5 = 4 \text{ m}^2</math></p> <p>Jumlah = <math>10 + 4 = 14 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 14 = 4,2 \text{ m}^2</math></p> <p>Total = <math>14 + 4,2 = 18,2 \text{ m}^2</math></p>                                                                                                                                                   | 18,2 m <sup>2</sup>  |
| Toilet Staff | DA | <p>1. Closet</p>  <p><math>1,75 \times 0,9 = 1,58 \text{ m}^2</math></p> <p>2. Westafel</p>  <p><math>0,57 \times 2,37 = 1,35 \text{ m}^2</math></p> <p>3. Orang</p>                                                                                    | 4 orang | 4 | <p>1. Closet</p> <p><math>1,58 \times 4 \text{ bilik} = 6,32 \text{ m}^2</math></p> <p>2. Westafel</p> <p><math>1,35 \times 1 \text{ pasang} = 1,35 \text{ m}^2</math></p> <p>3. Orang</p> <p><math>0,8 \times 4 \text{ orang} = 3,2 \text{ m}^2</math></p> <p>Jumlah = <math>6,32 + 1,35 + 3,2 = 10,87 \text{ m}^2</math></p> <p>Sirkulasi = <math>30\% \times 10,87 = 3,26 \text{ m}^2</math></p> <p>Total = <math>(10,87 + 3,26) \times 4 = 56,52 \text{ m}^2</math></p> | 56,52 m <sup>2</sup> |

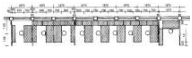
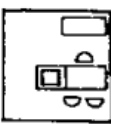
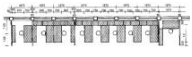
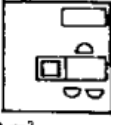
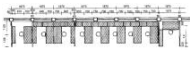
|  |  |                                                                                                         |  |  |  |  |
|--|--|---------------------------------------------------------------------------------------------------------|--|--|--|--|
|  |  | <br>0,8 m <sup>2</sup> |  |  |  |  |
|--|--|---------------------------------------------------------------------------------------------------------|--|--|--|--|

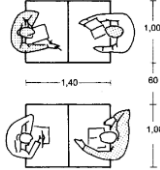
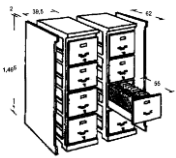
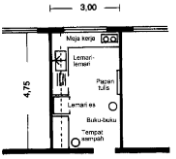
### 3. Kelompok Pengelola Umum

Table 22 Pendekatan Besaran Ruang Pengelola Umum

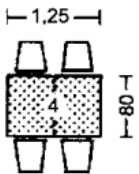
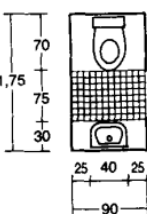
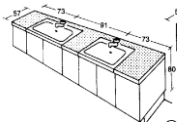
| Nama Ruang                                                 | Sumber | Standar                                                                                                                                                                                                                                                                                                                                                                                                                       | Kapasitas                                                         | Jumlah | Perhitungan                                                                                                                                                                                                                                                                                               | Luas Total           |
|------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Lobby                                                      | DA     | Orang<br><br>0,8 m <sup>2</sup>                                                                                                                                                                                                                                                                                                              | 50%<br>kapasitas<br>staff<br>50% x 26<br>siswa/sesi<br>= 13 orang | 1      | Orang<br>0,8 x 13 orang = 10,4 m <sup>2</sup><br>Sirkulasi = 100% x 10,4 = 10,4 m <sup>2</sup><br>Total = 10,4+10,4 = 20,8 m <sup>2</sup>                                                                                                                                                                 | 20,8 m <sup>2</sup>  |
| Ruang Dewan Komisaris                                      | DA     | 1. Meja, Lemari, dan Kursi<br><br>12,50 m <sup>2</sup><br>12,5 m <sup>2</sup><br>2. Rak<br><br>0,6 x 2,4 = 1,44 m <sup>2</sup><br>3. Orang<br><br>0,8 m <sup>2</sup> | 1 orang                                                           | 1      | 1. Meja, Lemari, dan Kursi<br>12,5 x 1 orang = 12,5 m <sup>2</sup><br>2. Rak<br>1,44 x 1 = 1,44 m <sup>2</sup><br>3. Orang<br>0,8 x 1 = 0,8 m <sup>2</sup><br>Jumlah = 12,5+1,44+0,8 = 14,74 m <sup>2</sup><br>Sirkulasi = 30% x 14,74 = 4,42 m <sup>2</sup><br>Total = 14,74+4,42 = 19,16 m <sup>2</sup> | 19,16 m <sup>2</sup> |
| Ruang General Manager, Asisten General Manager, Sekretaris | DA     | 1. Meja, Lemari, dan Kursi<br><br>12,50 m <sup>2</sup><br>12,5 m <sup>2</sup>                                                                                                                                                                                                                                                              | 3 orang                                                           | 1      | 1. Meja, Lemari, dan Kursi<br>12,5 x 3 orang = 37,5 m <sup>2</sup><br>2. Orang<br>0,8 x 3 = 2,4 m <sup>2</sup><br>Jumlah = 37,5+2,4 = 39,9 m <sup>2</sup>                                                                                                                                                 | 51,87 m <sup>2</sup> |

|                              |    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |   |                                                                                                                                                                                                                                                                                                                                                         |                      |
|------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                              |    | 2. Orang<br><br>0,8 m <sup>2</sup>                                                                                                                                                                                                                                                                                                                          |         |   | Sirkulasi = 30% x<br>39,9 = 11,97 m <sup>2</sup><br><br>Total = 39,9+11,97 =<br>51,87 m <sup>2</sup>                                                                                                                                                                                                                                                    |                      |
| Ruang Kabag & Staff HRD      | DA | 1. Ruang Kabag<br><br>12,50 m <sup>2</sup><br>12,5 m <sup>2</sup><br>2. Meja, Lemari, dan Kursi Staff<br><br>2,1 x 1,86 = 3,91 m <sup>2</sup><br>3. Orang<br><br>0,8 m <sup>2</sup>      | 4 orang | 1 | 1. Ruang Kabag<br>12,5 x 1 ruang =<br>12,5 m <sup>2</sup><br>2. Meja, Lemari, dan Kursi Staff<br>3,91 x 3 orang =<br>11,73 m <sup>2</sup><br>3. Orang<br>0,8 x 4 orang = 3,2 m <sup>2</sup><br>Jumlah =<br>12,5+11,73+3,2 =<br>27,43 m <sup>2</sup><br>Sirkulasi = 30% x<br>27,43 = 8,23 m <sup>2</sup><br>Total = 27,43+8,23 =<br>35,66 m <sup>2</sup> | 35,66 m <sup>2</sup> |
| Ruang Kabag & Staff Keuangan | DA | 1. Ruang Kabag<br><br>12,50 m <sup>2</sup><br>12,5 m <sup>2</sup><br>2. Meja, Lemari, dan Kursi Staff<br><br>2,1 x 1,86 = 3,91 m <sup>2</sup><br>3. Orang<br><br>0,8 m <sup>2</sup> | 4 orang | 1 | 1. Ruang Kabag<br>12,5 x 1 ruang =<br>12,5 m <sup>2</sup><br>2. Meja, Lemari, dan Kursi Staff<br>3,91 x 3 orang =<br>11,73 m <sup>2</sup><br>3. Orang<br>0,8 x 4 orang = 3,2 m <sup>2</sup><br>Jumlah =<br>12,5+11,73+3,2 =<br>27,43 m <sup>2</sup><br>Sirkulasi = 30% x<br>27,43 = 8,23 m <sup>2</sup><br>Total = 27,43+8,23 =<br>35,66 m <sup>2</sup> | 35,66 m <sup>2</sup> |
| Ruang Kabag & Staff Promosi  | DA | 1. Ruang Kabag<br><br>12,50 m <sup>2</sup>                                                                                                                                                                                                                                                                                                                | 4 orang | 1 | 1. Ruang Kabag<br>12,5 x 1 ruang =<br>12,5 m <sup>2</sup><br>2. Meja, Lemari, dan Kursi Staff                                                                                                                                                                                                                                                           | 35,66 m <sup>2</sup> |

|                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |   |                                                                                                                                                                                                                                                                                                                                                                        |                      |
|-------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                               |    | <p>12,5 m<sup>2</sup></p> <p>2. Meja, Lemari, dan Kursi Staff</p>  <p>2,1 x 1,86 = 3,91 m<sup>2</sup></p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p>                                                                                                                                        |         |   | <p>3,91 x 3 orang = 11,73 m<sup>2</sup></p> <p>3. Orang</p> <p>0,8 x 4 orang = 3,2 m<sup>2</sup></p> <p>Jumlah = 12,5+11,73+3,2 = 27,43 m<sup>2</sup></p> <p>Sirkulasi = 30% x 27,43 = 8,23 m<sup>2</sup></p> <p>Total = 27,43+8,23 = 35,66 m<sup>2</sup></p>                                                                                                          |                      |
| Ruang Kabag & Staff Promosi   | DA | <p>1. Ruang Kabag</p>  <p>12,50 m<sup>2</sup></p> <p>12,5 m<sup>2</sup></p> <p>2. Meja, Lemari, dan Kursi Staff</p>  <p>2,1 x 1,86 = 3,91 m<sup>2</sup></p> <p>3. Orang</p>  <p>0,8 m<sup>2</sup></p> | 4 orang | 1 | <p>1. Ruang Kabag</p> <p>12,5 x 1 ruang = 12,5 m<sup>2</sup></p> <p>2. Meja, Lemari, dan Kursi Staff</p> <p>3,91 x 3 orang = 11,73 m<sup>2</sup></p> <p>3. Orang</p> <p>0,8 x 4 orang = 3,2 m<sup>2</sup></p> <p>Jumlah = 12,5+11,73+3,2 = 27,43 m<sup>2</sup></p> <p>Sirkulasi = 30% x 27,43 = 8,23 m<sup>2</sup></p> <p>Total = 27,43+8,23 = 35,66 m<sup>2</sup></p> | 35,66 m <sup>2</sup> |
| Ruang Kabag & Staff Pemasaran | DA | <p>1. Ruang Kabag</p>  <p>12,50 m<sup>2</sup></p> <p>12,5 m<sup>2</sup></p> <p>2. Meja, Lemari, dan Kursi Staff</p>  <p>2,1 x 1,86 = 3,91 m<sup>2</sup></p> <p>3. Orang</p>                                                                                                            | 4 orang | 1 | <p>1. Ruang Kabag</p> <p>12,5 x 1 ruang = 12,5 m<sup>2</sup></p> <p>2. Meja, Lemari, dan Kursi Staff</p> <p>3,91 x 3 orang = 11,73 m<sup>2</sup></p> <p>3. Orang</p> <p>0,8 x 4 orang = 3,2 m<sup>2</sup></p> <p>Jumlah = 12,5+11,73+3,2 = 27,43 m<sup>2</sup></p> <p>Sirkulasi = 30% x 27,43 = 8,23 m<sup>2</sup></p>                                                 | 35,66 m <sup>2</sup> |

|                                           |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |   |                                                                                                                                                                                                                                                                                                                           |                      |
|-------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                           |    | <br>0,8 m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                   |         |   | Total = 27,43+8,23 = 35,66 m <sup>2</sup>                                                                                                                                                                                                                                                                                 |                      |
| Ruang Staff Servis, Manitanance, Keamanan | DA | <p>1. Meja, Lemari, dan Kursi Staff</p> <br>2,1 x 1,86 = 3,91 m <sup>2</sup> <p>2. Orang</p> <br>0,8 m <sup>2</sup>                                                                                                                                                                     | 3 orang |   | <p>1. Meja, Lemari, dan Kursi Staff</p> <p>3,91 x 3 orang = 11,73 m<sup>2</sup></p> <p>2. Orang</p> <p>0,8 x 4 orang = 3,2 m<sup>2</sup></p> <p>Jumlah = 11,73+3,2 = 14,93 m<sup>2</sup></p> <p>Sirkulasi = 30% x 14,93 = 4,48 m<sup>2</sup></p> <p>Total = 14,93+4,48 = 19,41 m<sup>2</sup></p>                          | 19,41 m <sup>2</sup> |
| Ruang Arsip                               | DA | <p>1. Meja &amp; Kursi</p> <br>Jarak minimum antar meja<br>0,7 x 1 = 0,7 m <sup>2</sup> /orang <p>2. Lemari arsip</p> <br>0,4 x 0,62 = 0,25 m <sup>2</sup> <p>3. Orang</p> <br>0,8 m <sup>2</sup> | 2 orang | 1 | <p>1. Meja &amp; Kursi</p> <p>0,7 x 2 orang = 1,4</p> <p>2. Lemari Arsip</p> <p>0,25 x 40 lemari = 10 m<sup>2</sup></p> <p>3. Orang</p> <p>0,8 x 2 orang = 1,6 m<sup>2</sup></p> <p>Jumlah = 1,4+10+1,6 = 13 m<sup>2</sup></p> <p>Sirkulasi = 30% x 13 = 3,9 m<sup>2</sup></p> <p>Total = 13+3,9 = 16,9 m<sup>2</sup></p> | 16,9 m <sup>2</sup>  |
| Dapur Staff                               | DA | <p>1. Kitchen Set</p>                                                                                                                                                                                                                                                                                                                                                  | 5 orang | 1 | <p>1. Kitchen Set</p> <p>14,25 x 1 set = 14,25 m<sup>2</sup></p> <p>2. Meja Makan</p> <p>1 x 2 set = 2 m<sup>2</sup></p> <p>3. Orang</p>                                                                                                                                                                                  | 26,33 m <sup>2</sup> |

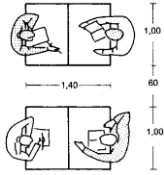
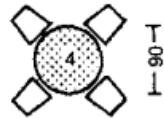
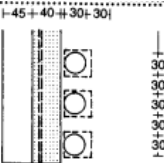
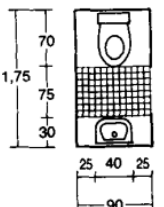
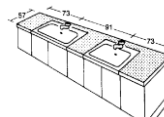
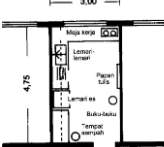


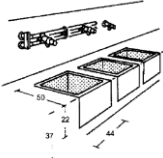
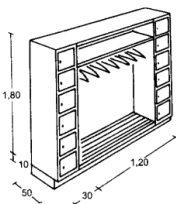
|                                    |    |                                                                                                                                                                                                                                                                                                                                                                                                                |         |   |                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
|------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                    |    | $3 \times 4,75 = 14,25 \text{ m}^2$<br>2. Meja Makan<br><br>$1,25 \times 0,8 = 1 \text{ m}^2$<br>3. Orang<br><br>$0,8 \text{ m}^2$                                                                                                           |         |   | $0,8 \times 5 \text{ orang} = 4 \text{ m}^2$<br>$\text{Jumlah} = 14,25 + 2 + 4 = 20,25 \text{ m}^2$<br>$\text{Sirkulasi} = 30\% \times 20,25 = 6,08 \text{ m}^2$<br>$\text{Total} = 20,25 + 6,08 = 26,33 \text{ m}^2$                                                                                                                                                                                    |                      |
| Toilet Staff                       | DA | 1. Closet<br><br>$1,75 \times 0,9 = 1,58 \text{ m}^2$<br>2. Westafel<br><br>$0,57 \times 2,37 = 1,35 \text{ m}^2$<br>3. Orang<br><br>$0,8 \text{ m}^2$ | 4 orang | 4 | 1. Closet<br>$1,58 \times 4 \text{ bilik} = 6,32 \text{ m}^2$<br>2. Westafel<br>$1,35 \times 1 \text{ pasang} = 1,35 \text{ m}^2$<br>3. Orang<br>$0,8 \times 4 \text{ orang} = 3,2 \text{ m}^2$<br>$\text{Jumlah} = 6,32 + 1,35 + 3,2 = 10,87 \text{ m}^2$<br>$\text{Sirkulasi} = 30\% \times 10,87 = 3,26 \text{ m}^2$<br>$\text{Total} = (10,87 + 3,26) \times 4 = 14,13 \times 4 = 56,52 \text{ m}^2$ | 56,52 m <sup>2</sup> |
| Total Luas = 389,29 m <sup>2</sup> |    |                                                                                                                                                                                                                                                                                                                                                                                                                |         |   |                                                                                                                                                                                                                                                                                                                                                                                                          |                      |

#### 4. Kelompok Penunjang

Table 23 Pendekatan Besaran Ruang Penunjang

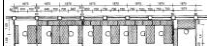
| Nama Ruang | Sumber | Standar  | Kapasitas | Jumlah | Perhitungan                                                                   | Luas Total            |
|------------|--------|----------|-----------|--------|-------------------------------------------------------------------------------|-----------------------|
| Cafe       | DA     | 1. Kasir | 50 orang  | 2      | 1. Kasir<br>$0,7 \times 2 \text{ orang} = 1,4 \text{ m}^2$<br>2. Tempat Makan | 105,38 m <sup>2</sup> |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  <p>Jarak minimum antar meja</p> $0,7 \times 1 = 0,7 \text{ m}^2/\text{orang}$ <p>2. Tempat Makan</p>  $0,9 \times 0,9 = 0,81 \text{ m}^2$  $0,6 \times 0,9 = 0,36 \text{ m}^2$  $1,5 \times 1,15 = 1,72 \text{ m}^2$ <p>3. Toilet</p>  $1,75 \times 0,9 = 1,58 \text{ m}^2$  $0,57 \times 2,37 = 1,35 \text{ m}^2$ <p>4. Dapur</p>  $3 \times 4,75 = 14,25 \text{ m}^2$ <p>5. Orang</p> |  |  | $(0,81 \times 8) + (0,36 \times 9) + 1,72$ $= 6,48 + 3,24 + 1,72$ $= 11,44 \text{ m}^2$ <p>3. Toilet</p> $(1,58 \times 4) + (1,35 \times 2) = 6,32 + 2,7 = 9,02 \text{ m}^2$ <p>4. Dapur</p> $14,25 \text{ m}^2$ <p>5. Orang</p> $0,8 \times 50 \text{ orang} = 40 \text{ m}^2$ <p>Jumlah =</p> $1,4 + 11,44 + 9,02 + 14,25 + 40 = 81,06 \text{ m}^2$ <p>Sirkulasi = 30% x</p> $81,06 = 24,32 \text{ m}^2$ <p>Total = 81,06 + 24,32 = 105,38 m²</p> |  |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

|                                          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |   |                                                                                                                                                                                                                                                                                                                                                                             |                      |
|------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                          |    | <br>0,8 m <sup>2</sup>                                                                                                                                                                                                                                                                                                                            |          |   |                                                                                                                                                                                                                                                                                                                                                                             |                      |
| Musholla                                 | DA | <p>1. Tempat Wudhu</p> <br>$0,44 \times 0,5 = 0,22 \text{ m}^2$ <p>2. Shaff (Orang)</p> <br>0,8 m <sup>2</sup> <p>3. Lemari Mukena</p> <br>$1,5 \times 1,9 = 2,85 \text{ m}^2$ | 50 orang | 1 | <p>1. Tempat Wudhu</p> $0,22 \times 10 = 2,2 \text{ m}^2$ <p>2. Shaff</p> $0,8 \times 50 \text{ orang} = 40 \text{ m}^2$ <p>3. Lemari Mukena</p> $2,85 \times 3 \text{ lemari} = 8,55 \text{ m}^2$ <p>Jumlah =</p> $2,2 + 40 + 8,55 = 50,75 \text{ m}^2$ <p>Sirkulasi = 50% x</p> $50,75 = 25,38 \text{ m}^2$ <p>Total = <math>50,75 + 25,38 = 76,13 \text{ m}^2</math></p> | 76,13 m <sup>2</sup> |
| <b>Total Luas = 181,51 m<sup>2</sup></b> |    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |   |                                                                                                                                                                                                                                                                                                                                                                             |                      |

## 5. Kelompok Servis

Table 24 Pendekatan Besaran Ruang Servis

| Nama Ruang                | Sumber | Standar                                                                                                                                                                       | Kapasitas | Jumlah | Perhitungan                                                                                                           | Luas Total           |
|---------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------|
| Ruang Genset              | DA     | 4 m x 6 m = 24 m <sup>2</sup>                                                                                                                                                 | –         | 1      | 24 m <sup>2</sup>                                                                                                     | 24 m <sup>2</sup>    |
| Ruang Trafo, PLN, Listrik | DA     | 4 m x 5 m = 20 m <sup>2</sup>                                                                                                                                                 | –         | 1      | 20 m <sup>2</sup>                                                                                                     | 20 m <sup>2</sup>    |
| Ruang Pompa               | DA     | 3 m x 4 m = 12 m <sup>2</sup>                                                                                                                                                 | –         | 1      | 12 m <sup>2</sup>                                                                                                     | 12 m <sup>2</sup>    |
| Ruang AHU                 | DA     | 4 m x 5 m = 20 m <sup>2</sup>                                                                                                                                                 | –         | 1      | 20 m <sup>2</sup>                                                                                                     | 20 m <sup>2</sup>    |
| Pos Satpam                | DA     | <p>1. Meja, Lemari, dan Kursi</p> <br>$2,1 \times 1,86 = 3,91 \text{ m}^2$ <p>2. Orang</p> | 2 orang   | 2      | <p>1. Meja, Lemari, dan Kursi</p> $3,91 \times 1 = 3,91 \text{ m}^2$ <p>2. Orang</p> $0,8 \times 2 = 1,6 \text{ m}^2$ | 14,33 m <sup>2</sup> |

|                                  |  |                                                                                   |  |  |                                                                                                                                                                          |  |
|----------------------------------|--|-----------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                  |  |  |  |  | Jumlah = $(3,91 + 1,6) \times 2 = 5,51 \times 2 = 11,02 \text{ m}^2$<br>Sirkulasi = $30\% \times 11,02 = 3,31 \text{ m}^2$<br>Total = $11,02 + 3,31 = 14,33 \text{ m}^2$ |  |
| Total Luas = $70,33 \text{ m}^2$ |  |                                                                                   |  |  |                                                                                                                                                                          |  |

## 6. Kelompok Parkir

### a. Parkir Pengunjung

Kapasitas pengunjung pertunjukkan = 350 orang

Diasumsikan bahwa pengguna mobil : motor = 40 : 60

Jadi,

Pengguna mobil =  $40/100 \times 350 = \mathbf{140 \text{ unit}}$

Pengguna motor =  $60/100 \times 350 = \mathbf{210 \text{ unit}}$

### b. Parkir Peserta Didik

Kapasitas peserta didik per sesi = 88

Diasumsikan bahwa pengguna mobil : motor = 40 : 60

Jadi,

Pengguna mobil =  $40/100 \times 88 = 35,2 = \mathbf{35 \text{ unit (dibulatkan)}}$

Pengguna motor =  $60/100 \times 88 = 52,8 = \mathbf{53 \text{ unit (dibulatkan)}}$

### c. Parkir Pengelola

Kapasitas pengelola = 40

Diasumsikan bahwa pengguna mobil : motor = 40 : 60

Jadi,

Pengguna mobil =  $40/100 \times 40 = \mathbf{16 \text{ unit}}$

Pengguna motor =  $60/100 \times 40 = \mathbf{24 \text{ unit}}$

| Jenis                                           | Sumber | Standar            | Kapasitas | Perhitungan                    | Luas Total          |
|-------------------------------------------------|--------|--------------------|-----------|--------------------------------|---------------------|
| <b>Pengunjung</b>                               |        |                    |           |                                |                     |
| Mobil                                           | DA     | $13,5 \text{ m}^2$ | 150 unit  | $13,5 \times 150 \text{ unit}$ | $2.025 \text{ m}^2$ |
| Motor                                           | DA     | $1,5 \text{ m}^2$  | 210 unit  | $1,5 \times 210 \text{ unit}$  | $315 \text{ m}^2$   |
| Jumlah = $2.025 + 315 + \text{sirkulasi } 30\%$ |        |                    |           |                                |                     |

|                                                                                                         |    |                     |         |                |                      |
|---------------------------------------------------------------------------------------------------------|----|---------------------|---------|----------------|----------------------|
| $= 2340 + (30\% \times 2340) = 2340 + 702 = \mathbf{3042 \text{ m}^2}$                                  |    |                     |         |                |                      |
| <b>Peserta Didik</b>                                                                                    |    |                     |         |                |                      |
| Mobil                                                                                                   | DA | 13,5 m <sup>2</sup> | 35 unit | 13,5 x 35 unit | 472,5 m <sup>2</sup> |
| Motor                                                                                                   | DA | 1,5 m <sup>2</sup>  | 53 unit | 1,5 x 53 unit  | 79,5 m <sup>2</sup>  |
| Jumlah = 472,5 + 79,5 + sirkulasi 30%<br>= 552 + (30% x 552) = 552 + 165,6 = <b>717,6 m<sup>2</sup></b> |    |                     |         |                |                      |
| <b>Pengelola</b>                                                                                        |    |                     |         |                |                      |
| Mobil                                                                                                   | DA | 13,5 m <sup>2</sup> | 16 unit | 13,5 x 16 unit | 216 m <sup>2</sup>   |
| Motor                                                                                                   | DA | 1,5 m <sup>2</sup>  | 24 unit | 1,5 x 24 unit  | 36 m <sup>2</sup>    |
| Jumlah = 216 + 36 + sirkulasi 30%<br>= 252 + (30% x 252) = 252 + 75,6 = <b>327,6 m<sup>2</sup></b>      |    |                     |         |                |                      |
| <b>Jumlah Total Lahan Parkir = 3042 + 717,6 + 327,6</b><br><b>= 4087,2 m<sup>2</sup></b>                |    |                     |         |                |                      |

## 4.2 Pendekatan Aspek Kontekstual

### 4.2.1 Pemilihan Tapak

Tapak yang terpilih ini berada di lokasi strategis, yang dilalui oleh dua jalan arteri sekunder. Tapak ini berlokasi di Jalan Promoter, Lengkong Gudang Timur, Kecamatan Serpong, Tangerang Selatan. Lahan ini memiliki luas area sekitar 24.804,22 m<sup>2</sup>.



Tapak ini cenderung berkontur datar dan berupa tanah kosong yang ditumbuhi rumput dan beberapa pohon. Tapak ini berada di sekitar lokasi yang ramai pertokoan, coffee shop, dan pusat perbelanjaan. Selain itu, tapak ini juga dekat dengan SPBU dan Polsek Serpong, serta Polres Metro Tangerang Selatan.

#### **4.2.2 Potensi Tapak**

Tapak berada di lahan pusat perkembangan Kota Tangerang Selatan. Jalan utama memiliki lebar 12 m di kedua sisi tapak. Akses tapak juga dekat dengan Tol Jakarta – Serpong. Selain itu, untuk angkutan umum, tapak ini dekat dengan Stasiun Rawa Buntu.

### **4.3 Pendekatan Aspek Teknis**

#### **4.3.1 Pendekatan Sistem Struktur**

Dalam pemilihannya, sistem struktur harus memenuhi beberapa persyaratan, seperti :

1. Struktur harus mampu menyeimbangkan bangunan dan stabil, tidak goyah saat terkena gaya dari luar bangunan.
2. Struktur harus beroperasi sesuai dengan analisis yang telah dilakukan terhadap dimensi ruang, pola pergerakan, sistem utilitas, konsepsi desain, dan elemen-elemen lainnya.
3. Kesatuan struktur harus kuat dan mampu menahan beban.
4. Struktur yang dipilih sebisa mungkin ekonomis.
5. Estetika struktur tetap harus diperhatikan,

#### **4.3.2 Sistem Modul**

Modul yang digunakan adalah grid, yang akan disesuaikan dengan jarak yang direncanakan dalam tata letak. Selain itu, modul juga mempertimbangkan posisi jalur pergerakan, perabotan, dan pengaturan massa secara keseluruhan.

### **4.4 Pendekatan Aspek Kinerja**

#### **4.4.1 Sistem Pencahayaan**

Sistem pencahayaan pada perancangan mempertimbangkan :

1. Memaksimalkan pencahayaan alami  
Dengan membuat skylight dan memberikan banyak bukaan untuk memaksimalkan cahaya matahari ke dalam bangunan. Namun, tetap ada penghalaunya untuk mengatasi panas berlebih.
2. Memakai pencahayaan buatan yang sesuai pada fungsi ruangnya

Menggunakan warna cahaya yang cocok pada fungsi ruangnya akan membantu mata agar tidak mudah lelah dan terasa lebih nyaman.

#### **4.4.2 Sistem Penghawaan**

Penghawaan pada bangunan perencanaan disiasati dengan cross ventilation untuk memaksimalkan dan mempermudah sirkulasi udara. Selain itu, untuk penghawaan buatan, bangunan perancangan dilengkapi dengan AC.

#### **4.4.3 Sistem Jaringan Air Bersih**

Sumber primer air bersih yang digunakan dalam perencanaan ini adalah dari Perusahaan Daerah Air Minum (PDAM).

#### **4.4.4 Sistem Pembuangan Air Kotor**

##### **1. Air bekas**

Air bekas berasal dari pencucian peralatan makan dan kotoran bekas makanan. Air bekas ini nantinya akan disaring sebelum dibuang melalui pipa menuju saluran kota.

##### **2. Air limbah**

Air limbah yang dimaksud adalah limbah yang berasal dari toilet, yang akan dialirkan ke tangki septik.

#### **4.4.5 Sistem Jaringan Listrik**

Sumber listrik utama berasal dari Perusahaan Listrik Negara (PLN), dengan genset sebagai cadangan jika terjadi pemadaman listrik.

#### **4.4.6 Sistem Jaringan Transportasi Vertikal**

Sistem transportasi vertikal yang digunakan dalam desain ini mencakup eskalator, lift, dan tangga darurat.

#### **4.4.7 Sistem Pembuangan Sampah**

Pengelolaan sampah dilakukan dengan cara langsung membuangnya ke Tempat Pembuangan Sampah (TPS).

#### **4.4.8 Sistem Pencegah Kebakaran**

Sistem pencegah kebakaran yang diterapkan pada perancangan :

1. Smoke detector (deteksi asap)
2. Flame detector (deteksi api)
3. Hydrant
4. Sprinkler
5. Fire extinguisher

#### **4.4.9 Sistem Penangkal Petir**

Penggunaan sistem penangkal petir elektrostatis, termasuk model modern yang menggunakan teknologi E.S.E (Early Streamer Emission). Penangkal ini memiliki cakupan perlindungan yang lebih luas, dengan radius mencapai 150 meter.

#### **4.4.10 Sistem Keamanan**

Sistem keamanan yang diterapkan berupa pemasangan CCTV, juga dengan adanya 2 pos satpam di setiap akses keluar – masuk bangunan.

### **4.5 Pendekatan Aspek Arsitektural**

Perancangan ini menerapkan konsep arsitektur kontemporer. Pemilihan konsep ini sejalan dengan apa yang ingin di angkat dari bangunan perancangan sendiri, yaitu seni pertunjukan yang modern. Selain itu konsep kontemporer tidak terikat pada gaya tertentu. Arsitektur kontemporer disebut sebagai anti-vernakular karena memaksimalkan material baru secara inovatif dan berisiko, serta mengedepankan penggunaan teknologi dan bentuk geometri yang sedang tren.

Prinsip arsitektur kontemporer adalah struktur yang kokoh, bangunan dinamis dan ekspresif, elemen landscape terstruktur, serta fasad menggunakan material yang fleksibel.