

DAFTAR ISI

| | |
|---|------|
| PERSETUJUAN UJIAN TUGAS AKHIR..... | I |
| PERNYATAAN ORISINALITAS | II |
| HALAMAN PENGESAHAN..... | III |
| PERNYATAAN PERSETUJUAN | IV |
| KATA PENGANTAR | V |
| DAFTAR ISI | VI |
| DAFTAR TABEL | VIII |
| DAFTAR GAMBAR | IX |
| ABSTRAK | X |
| <i>ABSTRACT</i> | XI |
| | |
| BAB I | 1 |
| PENDAHULUAN..... | 1 |
| 1.1 Latar Belakang | 1 |
| 1.2 Tujuan Penelitian..... | 2 |
| 1.3 Manfaat Penelitian | 2 |
| | |
| BAB II..... | 3 |
| LANDASAN TEORI..... | 3 |
| 2.1 Radioterapi | 3 |
| 2.2 Teknik <i>3D Conformal Radiation Therapy (3D-CRT)</i> | 3 |
| 2.3 Konfigurasi <i>4-Beam</i> dan <i>5-Beam</i> dalam <i>3D-CRT</i> | 3 |
| 2.4 Indikator Evaluasi Rencana Perawatan..... | 4 |
| | |
| BAB III..... | 6 |
| METODE PENELITIAN | 6 |
| 3.1 Alat dan Bahan Penelitian | 6 |
| 3.1.1 Alat Penelitian | 6 |
| 3.1.2 Bahan Penelitian..... | 6 |
| 3.2 Prosedur Penelitian..... | 8 |
| 3.3 Waktu dan Tempat Penelitian..... | 10 |
| | |
| BAB IV | 11 |
| ANALISIS DAN PEMBAHASAN | 11 |
| 4.1 Analisa Hasil | 11 |
| 4.1.1 Data Hasil <i>TPS</i> | 11 |
| 4.1.2 <i>Homogeneity Index (HI)</i> | 13 |
| 4.1.3 <i>Conformity Index (CI)</i> | 14 |
| 4.1.4 <i>Monitor Unit (MU)</i> | 14 |
| 4.1.5 <i>Organ At Risk (OAR)</i> | 15 |
| 4.2 Pembahasan..... | 17 |
| | |
| BAB V..... | 19 |
| PENUTUP..... | 19 |
| 5.1. Kesimpulan | 19 |
| 5.2. Saran..... | 19 |
| | |
| DAFTAR PUSTAKA..... | 21 |

| | |
|---------------|----|
| LAMPIRAN..... | 22 |
|---------------|----|

DAFTAR TABEL

| | |
|---|----|
| Tabel 1.1 Tabel Jadwal Penelitian | 10 |
| Tabel 4.1 Tabel Data Hasil TPS V_{TV} dan V_{PTV} | 11 |
| Tabel 4.2 Tabel Data Hasil TPS D_{max} dan D_{min} | 12 |
| Tabel 4.3 Tabel Data Hasil TPS untuk CI, HI dan MU | 12 |
| Tabel 4.4 Tabel Homogeneity Index (HI)..... | 13 |
| Tabel 4.5 Tabel Conformity Index (CI) | 14 |
| Tabel 4.6 Tabel Monitor Unit (MU) | 15 |
| Tabel 4.7 Tabel Perbandingan Persentase OAR Bladder (kandung kemih) | 15 |
| Tabel 4.8 Tabel Perbandingan Persentase OAR Rectum..... | 16 |

DAFTAR GAMBAR

| | |
|--|----|
| Gambar 1.1 Diagram Alir Prosedur Penelitian | 9 |
| Gambar Lampiran 1.1 Gambar Total <i>MU</i> Pasien A 4- <i>Beam</i> | 23 |
| Gambar Lampiran 1.2 Gambar Statistik <i>DVH</i> Pasien A 4- <i>Beam</i> | 24 |
| Gambar Lampiran 1.3 Gambar Grafik <i>DVH</i> Pasien A 4- <i>Beam</i> | 25 |
| Gambar Lampiran 1.4 Gambar Distribusi Dosis Pasien A 4- <i>Beam</i> | 26 |
| Gambar Lampiran 2.1 Gambar Total <i>MU</i> Pasien A 5- <i>Beam</i> | 27 |
| Gambar Lampiran 2.2 Gambar Statistik <i>DVH</i> Pasien A 5- <i>Beam</i> | 28 |
| Gambar Lampiran 2.3 Gambar Grafik <i>DVH</i> Pasien A 5- <i>Beam</i> | 29 |
| Gambar Lampiran 2.4 Gambar Distribusi Dosis Pasien A 5- <i>Beam</i> | 30 |
| Gambar Lampiran 3.1 Gambar Total <i>MU</i> Pasien B 4- <i>Beam</i> | 31 |
| Gambar Lampiran 3.2 Gambar Statistik <i>DVH</i> -1 Pasien B 4- <i>Beam</i> | 32 |
| Gambar Lampiran 3.3 Gambar Statistik <i>DVH</i> -2 Pasien B 4- <i>Beam</i> | 33 |
| Gambar Lampiran 3.4 Gambar Grafik <i>DVH</i> Pasien B 4- <i>Beam</i> | 34 |
| Gambar Lampiran 3.5 Gambar Distribusi Dosis Pasien B 4- <i>Beam</i> | 35 |
| Gambar Lampiran 4.1 Gambar Total <i>MU</i> Pasien A 5- <i>Beam</i> | 36 |
| Gambar Lampiran 4.2 Gambar Statistik <i>DVH</i> -1 Pasien B 5- <i>Beam</i> | 37 |
| Gambar Lampiran 4.3 Gambar Statistik <i>DVH</i> -2 Pasien B 5- <i>Beam</i> | 38 |
| Gambar Lampiran 4.4 Gambar Grafik <i>DVH</i> Pasien B 5- <i>Beam</i> | 39 |
| Gambar Lampiran 4.5 Gambar Distribusi Dosis 1 Pasien B 5- <i>Beam</i> | 40 |
| Gambar Lampiran 4.6 Gambar Distribusi Dosis 2 Pasien B 5- <i>Beam</i> | 41 |
| Gambar Lampiran 4.7 Gambar Distribusi Dosis 3 Pasien B 5- <i>Beam</i> | 42 |
| Gambar Lampiran 5.1 Gambar Total <i>MU</i> Pasien C 4- <i>Beam</i> | 43 |
| Gambar Lampiran 5.2 Gambar Statistik <i>DVH</i> Pasien C 4- <i>Beam</i> | 44 |
| Gambar Lampiran 5.3 Gambar Grafik <i>DVH</i> Pasien C 4- <i>Beam</i> | 45 |
| Gambar Lampiran 5.4 Gambar Distribusi Dosis Pasien C 4- <i>Beam</i> | 46 |
| Gambar Lampiran 6.1 Gambar Total <i>MU</i> Pasien C 5- <i>Beam</i> | 47 |
| Gambar Lampiran 6.2 Gambar Statistik <i>DVH</i> Pasien C 5- <i>Beam</i> | 48 |
| Gambar Lampiran 6.3 Gambar Grafik <i>DVH</i> Pasien C 5- <i>Beam</i> | 49 |
| Gambar Lampiran 6.4 Gambar Distribusi Dosis Pasien C 5- <i>Beam</i> | 50 |