

**Nomor Urut TA: 209/UN7.5.3.4.TL/DL/2022**

**Laporan Tugas Akhir**

**PERENCANAAN TEKNIS TEMPAT PENGOLAHAN  
SAMPAH (TPS) 3R DI KECAMATAN BATEALIT  
KABUPATEN JEPARA**



**Disusun oleh:**

**Firda Kamilla**

**21080118120038**

**DEPARTEMEN TEKNIK LINGKUNGAN  
FAKULTAS TEKNIK  
UNIVERSITAS DIPONEGORO  
SEMARANG  
2022**

## HALAMAN PENGESAHAN

Menyatakan bahwa Laporan Tugas Akhir yang berjudul:

Disusun oleh:

Nama : Firda Kamilla  
NIM : 21080118120038

Telah disetujui dan disahkan pada:

Hari : Kamis  
Tanggal : 26 Mei 2022

Menyetujui,

Penguji I



Dr. Sri Sumiyati, S.T., M.Si.

NIP. 197103301998022001

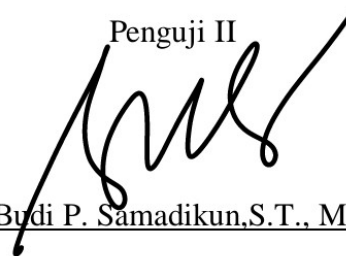
Pembimbing I



Wiharyanto Oktiawan S.T., M.T.

NIP. 197310242000031001

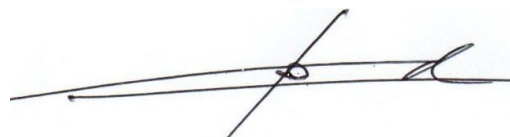
Penguji II



Dr. Ir. Budi P. Samadikun, S.T., M.Si., IPM.

NIP. 197805142005011001

Pembimbing II



Prof. Dr. Ir. Syafrudin, C.E.S., M.T

NIP. 195811071988031001

Mengetahui,  
Ketua Departemen Teknik Lingkungan



Dr. -Ing. Sudarno, S.T., M.Sc

NIP.197401311999031003

## ABSTRACT

In the implementation of waste management, Jepara Regency still uses the old paradigm, namely by using the collect - transport - dispose method which will continuously shorten the life of the landfill. To get a high level of effectiveness and efficiency in waste management in urban areas, it is necessary to follow with efforts to utilize and reduce waste with an appropriate waste management system as well as the active role of the community and collaboration with related institutions. Waste. The Waste Management Sites 3R Operational Technical Planning aims to assist in reducing and solving waste problems in Jepara Regency, especially in the Batealit District area. The calculation method refers to SNI 19-3964-1994. TPS 3R which is used for the future of TPS 10 years. The amount of waste generated in Batealit District in the 2031 planning year is 288.03 m<sup>3</sup>/day, with the amount of waste entering the 3R TPS as much as 159.31 m<sup>3</sup>/day with an average volume of 3.3 liters/person/day of waste generation and the weight of the generation. waste 0.244 kg/person/day . The technical management of the 3R TPS will be carried out by Non-Governmental Organizations with a waste management system that starts with sorting from the source of the waste, then organic waste that is processed into compost, and other organic waste that has economic value will be sold to collectors. The total area of the TPS 3R building is 533 m<sup>2</sup> with the planned construction cost of TPS 3R of Rp. 369,630,000.00 and for non-construction investment costs of Rp. 233,755,000.00.