

DAFTAR ISI

| | |
|---|-------------------------------------|
| KATA PENGANTAR | Error! Bookmark not defined. |
| DAFTAR ISI..... | v |
| DAFTAR GAMBAR | vii |
| DAFTAR TABEL..... | ix |
| DAFTAR LAMPIRAN..... | x |
| ABSTRAK | xi |
| BAB I PENDAHULUAN | Error! Bookmark not defined. |
| 1.1 Latar Belakang..... | Error! Bookmark not defined. |
| 1.2 Rumusan Masalah | Error! Bookmark not defined. |
| 1.3 Tujuan..... | Error! Bookmark not defined. |
| 1.4 Manfaat Penelitian..... | Error! Bookmark not defined. |
| 1.5 Ruang Lingkup | Error! Bookmark not defined. |
| BAB II TUJUAN PUSTAKA..... | Error! Bookmark not defined. |
| 2.1 Limbah Bahan Berbahaya dan Beracun .. | Error! Bookmark not defined. |
| 2.2 Identifikasi Limbah B3 | Error! Bookmark not defined. |
| 2.3 Sumber Limbah B3 UPT Balai Yasa PT.KAI Yogyakarta | Error! |
| Bookmark not defined. | |
| 2.4 Pengelolaan Limbah B3 | Error! Bookmark not defined. |
| 2.5 Penyimpanan Limbah B3 | Error! Bookmark not defined. |
| 2.6 Pelabelan dan Penyimbolan Kemasan Limbah B3 | Error! Bookmark not |
| defined. | |
| 2.7 Pengelolaan Barang Milik Negara/Daerah | Error! Bookmark not |
| defined. | |
| BAB III METODE PENELITIAN..... | Error! Bookmark not defined. |
| 3.1 Kerangka Penelitian..... | Error! Bookmark not defined. |
| 3.2 Lokasi Penelitian | Error! Bookmark not defined. |
| 3.3 Waktu Penelitian | Error! Bookmark not defined. |
| 3.4 Metode Penelitian..... | Error! Bookmark not defined. |

3.5 Tahap Pengambilan Data.....**Error! Bookmark not defined.**

BAB IV HASIL PENELITIAN DAN ANALISIS DATA .. Error! Bookmark not defined.

4.1 Kondisi Eksisting Pengelolaan Limbah B3 UPT Balai Yasa Yogyakarta
.....**Error! Bookmark not defined.**

4.2 Identifikasi dan Inventarisasi Limbah B3 UPT Balai Yasa Yogyakarta
.....**Error! Bookmark not defined.**

4.2.1 Pelumas (Oli) Bekas.....**Error! Bookmark not defined.**

4.2.2 Bohlam Lampu Bekas**Error! Bookmark not defined.**

4.2.3 Majun, Masker, Sarung Tangan Bekas **Error! Bookmark not defined.**

4.2.4 Kemasan Kaleng Bekas Cat dan Kemasan Kaleng Bekas Pelarut
Error! Bookmark not defined.

4.3 Evaluasi Pengelolaan Limbah B3 UPT Balai Yasa Yogyakarta **Error!
Bookmark not defined.**

4.4 Perencanaan Rekomendasi Tempat Penyimpanan Sementara (TPS)
Limbah B3**Error! Bookmark not defined.**

4.4.1 Penyimpanan.....**Error! Bookmark not defined.**

4.4.2 Pencahayaan.....**Error! Bookmark not defined.**

4.4.3 Ventilasi**Error! Bookmark not defined.**

4.4.4 Peralatan Tanggap Darurat.....**Error! Bookmark not defined.**

4.4.5 Label dan Simbol**Error! Bookmark not defined.**

4.4.6 Operasional**Error! Bookmark not defined.**

4.4.7 Layout desain TPS**Error! Bookmark not defined.**

4.4.8 Desain Perencanaan TPS.....**Error! Bookmark not defined.**

BAB V KESIMPULAN DAN SARAN.....Error! Bookmark not defined.

5.1 Kesimpulan.....**Error! Bookmark not defined.**

5.2 Saran.....**Error! Bookmark not defined.**

| | |
|----------------------|-------------------------------------|
| DAFTAR PUSTAKA | Error! Bookmark not defined. |
| LAMPIRAN | 59 |

DAFTAR GAMBAR

| | |
|--|-----------|
| Gambar 2.1 Label Limbah B3..... | 10 |
| Gambar 2.2 Label Limbah B3 Wadah dan/atau Kemasan Limbah B3 Kosong | 11 |
| Gambar 2.3 Penandaan Posisi Tutup Wadah dan/atau Kemasan Limbah B3..... | 11 |
| Gambar 2.4 Simbol Limbah B3 Mudah Meledak..... | 13 |
| Gambar 2.5 Simbol Limbah B3 Cairan Mudah Menyala | 13 |
| Gambar 2.6 Simbol Limbah B3 Padatan Mudah Menyala | 14 |
| Gambar 2.7 Simbol Limbah B3 Reaktif | 14 |
| Gambar 2.8 Simbol Limbah B3 Beracun..... | 15 |
| Gambar 2.9 Simbol Limbah Korosif..... | 15 |
| Gambar 2.10 Simbol Limbah B3 Infeksius..... | 16 |
| Gambar 2.11 Simbol Limbah B3 Berbahaya Terhadap Lingkungan..... | 16 |
| Gambar 2.12 Contoh Pelekatan Simbol dan Label Limbah B3 pada Wadah Kemasan..... | 17 |
| <u>Gambar 3.1 Diagram Alir Penelitian</u> | <u>20</u> |
| <u>Gambar 4.1 Mekanisme Pemeliharaan Lokomotif</u> | <u>24</u> |
| <u>Gambar 4.2 Tempat Sampah di Balai Yasa Yogyakarta.....</u> | <u>25</u> |
| <u>Gambar 4.3 Diagram Proses Pengelolaan Limbah B3.....</u> | <u>26</u> |
| Gambar 4.4 TPS Limbah B3 Pelumas (Oli) Bekas di Balai Yasa | 28 |
| Gambar 4.5 Limbah Bohlam Bekas Balai Yasa Yogyakarta | 31 |
| Gambar 4.6 Majun Terkontaminasi ditempat Sampah Balai Yasa Yogyakarta | 32 |
| Gambar 4.7 Masker Terkontaminasi ditempat Sampah Balai Yasa Yogyakarta...33 | |
| Gambar 4.8 Kemasan Bekas Cat dan Pelarut di Balai Yasa Yogyakarta | 36 |
| Gambar 4.9 Drum Oli | 44 |
| Gambar 4.10 Pallet Mesh (Keranjang Besi) | 45 |
| Gambar 4.11 Kondisi Ventilasi TPS Balai Yasa | 48 |
| Gambar 4.12 Layout TPS Limbah B3 Tambak Atas 3D | 50 |
| Gambar 4.13 Layout Dimensi TPS Limbah B3 Tampak Atas | 51 |
| Gambar 4.14 Tampak Depan TPS | 52 |
| Gambar 4.15 Tampak Belakang TPS..... | 52 |

| | |
|---|----|
| Gambar 4.16 Tampak Bagian Dalam TPS | 53 |
| Gambar 4.17 Kemasan Limbah B3 Dengan Jarak Tiap Blok..... | 53 |
| Gambar 4.18 Panjang Bangunan TPS | 54 |
| Gambar 4.19 Lebar Bangunan TPS | 54 |

DAFTAR TABEL

| | |
|---|----|
| Tabel 3.1 Tahapan Pengambilan Data | 20 |
| Tabel 4.1 Inventaris Limbah Oli Balai Yasa | 29 |
| Tabel 4.2 Data Limbah Majun, Masker, Sarung Tangan..... | 34 |
| Tabel 4.3 Data Limbah Kemasan Cat dan Pengencer..... | 37 |
| Tabel 4.4 Evaluasi Pengelolaan Limbah B3 | 39 |

DAFTAR LAMPIRAN

| | |
|---------------------------------------|----|
| Lampiran 1: Desain TPS Limbah B3..... | 59 |
| Lampiran 2: Desain Layout TPS..... | 62 |
| Lampiran 3: Desain Layout TPS..... | 63 |