

ABSTRAK

Keselamatan dan kesehatan kerja merupakan hak dari pekerja. RSUD Syarifah Ambami Rato Ebu merupakan rumah sakit daerah penyedia fasilitas pelayanan kesehatan yang menghasilkan limbah B3. Tujuan dari penelitian untuk mengetahui potensi bahaya yang dapat terjadi dan melakukan perancangan ulang Tempat Penyimpanan Limbah B3 sesuai bahaya yang sudah diidentifikasi. Perancangan Tempat Penyimpanan Limbah B3 diawali dengan pengambilan data karakteristik dan jenis limbah B3, perencanaan pengemasan dan perhitungan luas TPS. Metode penelitian yang digunakan yaitu *hazard identification* untuk mengidentifikasi potensi bahaya dan *hazmat tool* untuk memberikan tata letak dengan mempertimbangkan karakteristik bahaya limbah B3. TPS limbah B3 penyimpanannya masih tidak sesuai dengan peraturan yang berlaku, sehingga perancangan ulang TPS limbah B3 mempertimbangkan aspek lokasi dan fasilitas seperti bak penampung, dinding dan ventilasi, sistem pencahayaan, konstruksi atap dan alat pemadam. TPS limbah B3 yang direncanakan menggunakan media penyimpanan plastik, *pallet* dan lemari, volume bak penampung sebesar $0,4174 m^3$, ventilasi berjumlah 3 dengan dimensi panjang sebesar 2 m, lebar 0,5 meter, jumlah titik lampu yang dibutuhkan 4 titik lampu serta 1 APAR.

Kata Kunci : Limbah B3, TPS, *Hazard Identification*, *Hazmat Tool*

ABSTRACT

Occupational safety and health is the right of workers. RSUD Syarifah Ambami Rato Ebu is a regional hospital that provides health service facilities that produce waste of hazardous and toxic materials. The purpose of the research is to determine the potential hazards that can occur and redesign the waste of hazardous and toxic materials Storage Area according to the hazards that have been identified. The design of the waste of hazardous and toxic materials Storage Area begins with taking data on the characteristics and types of waste of hazardous and toxic materials, packaging planning and calculating the temporary storage of waste area. The research methods used are Hazard Identification to identify potential hazards and hazmat tools to provide a layout by considering the hazard characteristics of waste of hazardous and toxic materials. The waste of hazardous and toxic materials temporary storage of waste is still not in accordance with applicable regulations, so the redesign of the waste of hazardous and toxic materials temporary storage of waste considers aspects of location and facilities such as reservoirs, walls and ventilation, lighting systems, roof construction and extinguishers. The planned waste of hazardous and toxic materials temporary storage of waste uses plastic storage media, pallets and cabinets, the volume of the reservoir is 0.4174 mm^3 , there are 3 vents with dimensions of 2 m in length, 0.5 meters in width, the number of light points needed is 4 light points and 1 fire extinguisher.

Keywords : *Waste of hazardous and toxic materials, Temporary storage of waste, Hazard Identification, Hazmat Tool*