

ABSTRAK

IDENTIFIKASI TIMBULAN DAN KOMPOSISI SAMPAH DI UNIT KERJA *DEPARTMENT OF MINING* PT SEMEN BATURAJA Tbk

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PT Semen Baturaja Tbk merupakan salah satu perusahaan yang ada di kota Baturaja sebagai perusahaan bidang industri semen pastinya memiliki timbulan sampah akibat dari kegiatan industri yang dilakukan. Berfokus pada kegiatan penambangan yang dilakukan oleh PT Semen Baturaja Tbk dimana kegiatan penambangan tersebut bertujuan untuk menyiapkan batu kapur dan tanah liat sebagai bahan baku pembuatan semen melibatkan banyak tenaga kerja dan juga peralatan yang mungkin menjadi penyebab timbulan sampah di unit kerja *Department of Mining* PT Semen Baturaja Tbk.

Berdasarkan sumber, diperoleh timbulan sampah domestik di Area Kantor *Mining* 3,8 Kg/hari, *workshop* PT. TWU Development 3,5 Kg/hari, *workshop* PT. PSP 4,9 Kg/hari, *workshop* PT. Dahana 3,1 Kg/hari, *workshop* PT. TWU Produksi 4,8 Kg/hari, Area Gudang Handak 2,1 Kg/hari, Anjungan Tambang 1,7 Kg/hari sedangkan timbulan limbah B3 di area Kantor *Mining* tidak ada, *workshop* PT. TWU Development 5,71 Kg/hari, *workshop* PT. PSP 8,60 Kg/hari, *workshop* PT. Dahana 5,42 Kg/hari, *workshop* PT. TWU Produksi 20,70 Kg/hari, Area Gudang Handak 7,20 Kg/hari, dan Anjungan Tambang tidak ada.

Penelitian ini menggunakan metode kuantitatif dengan menghitung jumlah populasi pekerja dengan timbulan sampah dan limbah B3 yang dihasilkan. Dalam waktu 30 hari kerja didapati rata-rata timbulan sampah domestik di *Department Of Mining* sebanyak 3,41 Kg/hari sedangkan limbah B3 sebesar 6,80 Kg/hari.

Hasil Penelitian menunjukkan sampah domestik yang dapat daur ulang dengan sebanyak 77% sedang 23% sisanya adalah residu.

Kata Kunci : komposisi sampah, potensi daur ulang sampah, PT Semen Baturaja Tbk

ABSTRACT

IDENTIFICATION OF WASTE GENERATION AND COMPOSITION IN THE WORKING UNIT DEPARTMENT OF MINING PT SEMEN BATURAJA Tbk

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PT Semen Baturaja Tbk is one of the companies in the city of Baturaja as a company in the cement industry must have waste generation due to industrial activities carried out. Focusing on the mining activities carried out by PT Semen Baturaja Tbk where the mining activities aim to prepare limestone and clay as raw materials for making cement involves a lot of labor and also equipment that may be the cause of waste generation in the work unit of the Department of Mining PT Semen Baturaja Tbk.

Based on the source, it is obtained that domestic waste generation in the Mining Office Area is 3.8 Kg/day, PT TWU Development workshop is 3.5 Kg/day, PT PSP workshop is 4.9 Kg/day, PT Dahana workshop is 3.1 Kg/day, PT TWU Production workshop is 4.8 Kg/day. TWU Production 4.8 Kg/day, Handak Warehouse Area 2.1 Kg/day, Mine Platform 1.7 Kg/day while B3 waste generation in the Mining Office area does not exist, PT TWU Development workshop 5.71 Kg/day, PT PSP workshop 8.60 Kg/day, PT Dahana workshop 5.42 Kg/day, PT TWU Production workshop 20.70 Kg/day, Handak Warehouse Area 7.20 Kg/day, and Mine Platform does not exist.

This study uses a quantitative method by calculating the total population of workers with waste generation and hazardous waste generated. Within 30 working days, it was found that the average domestic waste generation in the Department of Mining was 3.41 Kg/day while hazardous waste was 6.80 Kg/day.

The results showed that 77% of domestic waste can be recycled while the remaining 23% is residue.

Keywords: waste composition, waste recycling potential, PT Semen Baturaja Tbk.