

RINGKASAN

PENGLOLAAN TEKNIS PERTAMBANGAN YANG BAIK DAN BENAR BAHAN GALIAN INDUSTRI DI DISTRIK DILI, TIMOR LESTE

Motode yang digunakan dalam penelitian ini menggunakan pendekatan teknis pertambangan didasarkan pada faktor kenyataan yang terjadi, yang merupakan kajian bidang ilmu teknis dan regulasi pertambangan yang ada sehingga dapat mengetahui seberapa jauh penerapan teknis pertambangan dalam konsep teknis pertambangan yang baik dan benar pada pertambangan batu andesit dan pasir sungai di Distrik Dili, Timor Leste.

Tujuan dari penelitian ini adalah untuk mengkaji tingkat pelaksanaan pengelolaan teknis pertambangan yang baik dan benar, untuk memberi masukan kepada pembuat regulasi dalam pelaksanaan pengelolaan teknis pertambangan bahan galian industri (batu andesit dan pasir sungai) di Distrik Dili, Timor Leste.

Penelitian dilakukan dengan survey angket (kuisisioner) terhadap populasi (11 perusahaan pemegang izin usaha pertambangan). Skala kuisisioner yang dipakai dalam analisis ini adalah *skala Likert* yang berjalan dari “Ya”, “Tidak”, dan “Tidak Tahu”, dengan pemberian skor 3, 2 dan 1. Klasifikasi skor jawaban subjek penelitian disusun yaitu $X \leq \mu - \sigma =$ Kategori rendah, $\mu - \sigma < X \leq \mu + \sigma =$ Kategori cukup dan $X \geq \mu + \sigma =$ Kategori tinggi, dimana $\mu =$ Rata-rata total, $\sigma =$ Standar deviasi, $X =$ rata-rata.

Hasil penelitian jika dilihat dari jenis perusahaannya, maka jenis perusahaan Pty. Ltd berada pada nilai rata-rata 2,34 kategori “cukup” kemudian diikuti oleh perusahaan Unipessoal 2,29 dan Unipessoal.Lda 2.15. Jika dilihat dari jenis bahan galian maka teknis pertambangan pada penambangan pasir sungai dengan nilai rata-rata 2,30 yang masuk dalam kategori “cukup” lebih baik dari teknis pertambangan batu andesit 2,17. Jika dilihat dari nama perusahaan maka perusahaan RMS Engineering & Construction Pty. Ltd nilainya 2,80 (tinggi), Montana Diak Unipessoal, Lda nilainya 2,63 (cukup), Tak-Kong Electronic nilainya 2,32 (cukup), Timor Block Building Industry nilainya 2,25 (cukup), Always Construction Pty. Ltd nilainya 2,02 (cukup), Jonize Construction, Unipessoal,Lda nilainya 1.82 (cukup), Carya Timor Leste Unipessoal, Lda nilainya 1,82 (cukup), Weng Enterprise Group Co. Ltd nilainya 1,75 (cukup).

Berdasarkan pengujian statistik (*chi square*) ada perbedaan signifikan pada pengelolaan pertambangan batu andesit dan pasir sungai di wilayah Timor Leste antara perusahaan jenis Pty. Ltd, Unipessoal. Lda dan Umiposoal, adanya perbedaan ini ditunjukkan dengan nilai *chi square* hitung yang berada diatas *chi square* tabel ($14,212 > 7,815$), berdasarkan jenis bahan galian nilai *chi square* tidak ada perbedaan ($3,771 < 5,591$), berdasarkan nama perusahaan nilai *chi square* ada perbedaan ($54,335 > 24,996$).

ABSTRACT
TECHNICAL MANAGEMENT MATERIALS INDUSTRY
GOOD MINING PRACTICE IN DILI DISTRICT,
TIMOR LESTE

This study used a technical approach of mining methods based on the fact of the case factor, which is the study of mining technical sciences and regulations in order to know how far the application of mining techniques in the technical concept of good mining practice river sand and andesite mining in the Dili District , Timor Leste.

The gold of this study was to reviewing the level of implementation of the technical management of good mining practice, and provide feedback to the regulators in the implementation of the technical management of mineral mining industry (andesite and river sand) in Dili, Timor Leste.

The study was conducted by questionnaire survey (questionnaire) of the population (11 companies holders of mining business licenses). Scale questionnaire used in this analysis is Likert scale from "Yes", "No", and "Do not Know", by giving a score of 3, 2 and 1. Classification answer scores of research subjects are prepared $X \leq \mu - \sigma =$ Category low, $\mu - \sigma < X \leq \mu + \sigma =$ Category sufficient and $X \geq \mu + \sigma =$ high category, where $\mu =$ average total, $\sigma =$ standard deviation, $X =$ average.

When viewed from the type of company by results of research, the types of companies Pty. Ltd. is an average value of 2.34 "sufficient" categories, followed by the company Unipessoal and Unipessoal.Lda 2.29 and 2.15. If seen from the types of minerals mining techniques on river sand mining with an average value of 2.30 are included in the category of "enough" is better than mining techniques andesite 2.17. When viewed from the name of the company, the company RMS Engineering & Construction Pty. Ltd. value of 2.80 (height), Montana Diak Unipessoal, Lda value of 2.63 (enough), Tak-Kong Electronic value 2.32 (enough), East Block Building Industry value of 2.25 (enough), Always Pty construction. Ltd. value 2.02 (enough), Jonize Construction, Unipessoal, Lda value is 1.82 (enough), Carya Timor Leste Unipessoal, Lda value of 1.82 (enough), Weng Enterprise Group Co. Ltd. value 1.75 (enough).

Based on statistical tests (chi square) there are significant differences in the management of mining andesite and river sand in the territory of East Timor between company types Pty. Ltd, Unipessoal. Lda and Unipessoal, the difference is indicated by the value calculating chi square which is above the chi square table ($14.212 > 7.815$), based on the type of material excavated chi-square value is no difference ($3.771 < 5.991$), by company name chi-square value is no difference ($54.335 > 24.996$).