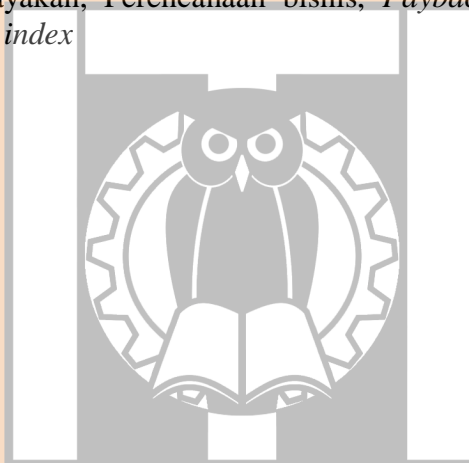


ABSTRAK

Nama : Ebit Nur Alam
Program Studi : Teknik Industri
Judul : Studi Kelayakan Perencanaan Bisnis Tambang Agregat
Pada PT. XYZ

PT. XYZ merupakan perusahaan pertambangan batu agregat. Untuk ekspansi bisnis, PT. XYZ berencana untuk menambang bukit *basalt* di Kalimantan utara. Untuk itu, dilakukan analisa studi kelayakan terhadap perencanaan bisnis. Analisa dilakukan dengan berfokus pada penilaian kelayakan investasi menggunakan perhitungan *payback period*, *return of investment*, dan *profitability index*. Berdasarkan analisa, didapatkan 4 opsi untuk menjalankan bisnis, yaitu (1) Opsi beli skenario logistik 1; (2) Opsi beli skenario logistik 2; (3) Opsi sewa skenario logistik 1; (4) Opsi sewa skenario logistik 2. Hasil analisa menunjukan opsi ke 4 layak dijalankan karena: (1) Modal 50% < dari opsi beli; (2) Harga jual > dari skenario logistik 1; (3) *Payback period* <1 tahun.

Kata Kunci: Studi kelayakan, Perencanaan bisnis, *Payback period*, *Return of investment*, *Profitability index*



ABSTRACT

Name : Ebit Nur Alam
Study Program : Industrial Engineering
Title : Feasibility Study of Business Planning on Aggregate Mining at PT. XYZ

PT. XYZ is an aggregate stone mining company. To expand its business, PT. XYZ plans to mine the basalt hill in northern Kalimantan. For this reason, an analysis of the feasibility study of business planning is conducted. The analysis is conducted by focusing on investment feasibility assessment using the calculation of payback period, return of investment, and profitability index. Based on the analysis, 4 options for running a business are found, namely (1) Buying option with logistics scenario 1; (2) Buying option with logistics scenario 2; (3) Renting option with logistics scenario 1; (4) Renting option with logistics scenario 2. The analysis shows that the fourth option is feasible because: (1) 50% capital < of the buying option; (2) Selling price > of logistics scenario 1; (3) Payback period < 1 year.

Keywords: Feasibility studies, Business planning, Payback period, Return of investment, Profitability index.

