

SUMMARY

This research was conducted at CV Biru Langit located in Banjarnegara, Central Java. This study analyses the economic feasibility of feldspar mining at CV Biru Langit from 2022 to 2026. CV Biru Langit has an IUP of 40 ha land with a production target of 360,000 tonnes per year. The feasibility analysis was conducted using the Net Present Value (NPV), Internal Rate of Return (IRR), and Payback Period (PBP) methods. In addition, a sensitivity analysis was carried out by changing the parameters of the initial investment, the operating costs, and the prices.

As a result, the NPV was Rp 8.307.997.901,00, IRR was 56,31%, and PBP was 1 year 6 months and 17 days. Meanwhile, the sensitivity analysis results showed that the Break Even Point (BEP) occurred when the initial investment jumped 101.38% or operating costs increased 22.565%. BEP occurred when the price dropped 16.423%. Based on the results of this analysis, the feldspar mining project for the period 2022-2026 was economically feasible.