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THE FINANCIAL ANALYSIS OF LAND USE FOR GEMSTONE MINING AND
RAMBUTAN ORCHARDING: A CASE STUDY AT TAMBON TOK PHROM,
AMPHOE KHLUNG, CHANTHABURI PROVINCE

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ABSTRACT

The main purpose is to study the integration of land use for gemstone mining and rambutan orcharding. The method of financial analysis among 3 conditions of benefit (low-medium-high) and initial physical environmental examination (IPEE) are undertaken. As a result, the most likely benefit of gemstone mining is in a medium condition (668,769.23 baht/rai/year); its risk is low. The indicators from financial analysis show that both projects are not worth, exception is for mining which gains a high benefit (4,123,333.40 baht/rai/year), but has a very high risk also. In conclusion, the rambutan orcharding is better than gemstone mining. Finally, the land use is designed to integrate both projects on the same land-estate in difference time. In this way, the severe environmental effect might be mitigated and the resource utilization with maximum efficiency will sustain in the long run.