

# Model keseimbangan kawasan berkelanjutan studi: kawasan pertambangan dan industri nikel di Pomalaa Provinsi Sulawesi Tenggara = The balanced model of sustainable area study: mining area and nickel industry in Pomalaa Southeast Sulawesi Province

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## Abstrak

Kegiatan pertambangan dan industri nikel pada kawasan Pomalaa telah memberi dampak terhadap lingkungan, sosial, dan ekonomi. Penerapan good mining practice, ekologi industri, dan tanggung jawab sosial diharapkan dapat menyeimbangkan aktivitas pertambangan dan industri dengan keberlanjutan lingkungan, sosial, dan ekonomi. Permasalahan akibat kegiatan pertambangan dan industri nikel adalah perubahan kualitas lingkungan, prasarana sosial yang belum memadai, serta penyerapan tenaga kerja yang minim. Riset ini bertujuan menganalisis kondisi lingkungan dan sosial ekonomi masyarakat, serta membuat model keseimbangan kawasan pertambangan dan industri nikel yang berkelanjutan. Metode deskriptif dengan pendekatan kuantitatif digunakan untuk mengetahui kondisi lingkungan, sosial, dan ekonomi masyarakat, serta menggunakan Analytical Network Process ANP untuk membuat model keseimbangan. Hasil riset memperlihatkan adanya perubahan kondisi lingkungan akibat kegiatan pertambangan, prasarana sosial yang masih kurang, persepsi dan mata pencaharian yang beragam, serta rendahnya pendapatan masyarakat. Model keseimbangan kawasan pertambangan dan industri nikel yang berkelanjutan dapat diwujudkan dengan menerapkan konsep good mining practice, ekologi industri, dan tanggung jawab sosial secara seimbang.

.....Mining activity and nickel industry in the Pomalaa area have affected the environment, social, and economy. It is expected that the implementation of good mining practice, industrial ecology, and social responsibility will balance the mining and industrial activities with the sustainability of environment, social, and economy. The problems caused by the mining activity and nickel industry are the changes of environmental quality, inadequate social infrastructure, and minimal employment. This research aims to analyze the environmental and socio-economy conditions of the community as well as creating a balanced model of the sustainable mining area and nickel industry. The descriptive method with the qualitative approach is used to know the environmental, social, and economic conditions of the community. The Analytical Network Process ANP is also used to make balance model. The research results show the existence of changes in the environmental changes due to the mining activity, inadequate social infrastructure, diverse perceptions and livelihoods, and low community income. The balanced model of the mining area and sustainable nickel industry can be realized by implementing the concept of good mining practice, industrial ecology, and social responsibility in a balanced manner.