ENVIRONMENTAL RISK ANALYSIS OF DEVELOPMENT ON PROJECTS OF TRANSMISSION LINE 150kV NGIMBANG – BABAT – MLIWANG

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ABSTRACT

Central power plant construction project is usually far from settlements, industrial zones and others, so it is necessary to build the transmission line to deliver electricity. Development transmission line potentially cause some risks to the environment around the project. So it is necessary for the existence of a management in controlling and monitoring risk that arise during the preconstruction and construction phases.

The initial phase of this study was identified the relevant risk variable, and then analyze those risks to get the value of probability and impact. Questionnaires were distributed to experts to identify risk and to community respondents to assessed probability and impact. To analyze the risk used probability and impact matrix grid method. The last questionnaires were distributed to experts to obtained appropriate responses.

From the research results obtained by 5 (five) variables of the reduced risk of the dominant species of flora, changes in the function of or agricultural land, land use change on the value/price of land, damage to public facilities. The response to these risks is to provide compensation benefits to the community owned plants are harvested and promote the greening at another location that does
not interfere Transmision Line, provide compensation for land and buildings are located on secure transmission corridor and provide socialization to the community to change the pattern of farming, do coordination with local authorities before setting the path, applying safety, occupational safety and health in any construction activity, perform a variety of social approaches to various parties and the public that passes through Transmision Line.

**Keywords:** Development Project of Transmision Line, Risk Analysis