

Developing peat mining in Indonesia and ecological sustainable principles

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Abstrak

The peat resource in Indonesia covers a land of approximately 27 million hectares. These can be utilized for a number of purposes, such as agriculture, energy, forestry. Indonesia peatlands are located mostly in lowlands and most of them are covered with or surrounded by the dense tropical forest. The use of peat for energy is one alternative. However, peat mine development has to consider the ecological principles to save the sustainability of land use. These principles encompass ecosystem balance and rehabilitation, hydrological balance and minimizing any others negative impacts from peat mine development. A number of schematic models may be developed correlating the relationship between the peat development in Indonesia and its ecological principles. The primary aim in developing and constructing such a principle and model is to promote, encourage and emphasize the essential of ecologically sustainable peat mine development in Indonesia.