

Designing conceptual framework and state of energy security in Indonesia

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Abstrak

This paper aims to evaluate the state of energy security indicators in Indonesia by following the most update study by Savacool (2012). We found that energy security has a multidimensional meaning. We found five major finding. First, the availability dimension suggests Indonesia needs to improve energy infrastructure both for fossil fuel and renewable energy. Second, pricing policy become important in the case of affordability dimensions, but Indonesia still does not have exit strategy from energy subsidy, even the subsidy tends to increase both in nominal and real amount. There is a serious fairness issue on energy subsidy that needs to be solved effectively at political level. Third, Indonesia needs to allocate more funds for research and development. This is important to improve capacity to solve existing and future problems in order to improve the state of energy security. Fourth, there are two-way relationship between energy and the environmental risks. Finally we argue that the regulation and governance dimensions need to put at the highest priority for better energy management in the future.