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Analysis of Conflict and Acceptance Factors on Water and Land Photovoltaic Facility

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Abstract : Photovoltaic facility occurs conflicts and disputes over environmental issues such as soil runoff, landscapes damage, and ecosystems damage. Because of these problems, huge social and economic cost occurred. The purpose of this study is to analyze resident's acceptability and conflict factors on the location of PV facilities, and suggest ways to promote resident's acceptability and solutions for conflicts. Literature review, cases analysis, and expert interview on the acceptance and conflict factors related to the location of PV facilities are used to derive results. The results of this study are expected to contribute to the minimization of environmental impact and social conflict due to the development of renewable energy in the future.

Keywords : acceptance factor, conflict factor, factor analysis, photovoltaic facility
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