

Techno Economic of Egg Hatcher Incubator Solar Plant Off Grid

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ABSTRACT

The sun energy is one of the renewable energy that is potentially yielding electricity. The utilization for sun energy is using solar panel technology that is able to result electricity from the conversion of sun energy is really promising. The embodiment for egg-hatcher incubator using sun energy can be used as substitute for PLN electricity. The application of egg-hatcher incubator itself needs techno-economy research for knowing whether the project is decent or not. The calculation of BEP is using Benefit Cost Ratio Method, yielding score 1,068 and with Net Present Value is equal with clean profit 432.940 with payback period is approximately 10 months. The Result of Techno-economy analysis has resulted that the project is decent to be implemented.

Key words: BCR, BEP, egg-hatcher Incubator, NPV