

## ABSTRACT

Asanah, Mia Yulita Avianti. 2012. **Resort Hotel Design in Batu**. Advisor: Aulia Fikriarini Muchlis, MT and Ernaning Setyowati, MT

**Key words:** Resort Hotel, *Green Architecture*

Resort hotel is a hotel with nature views in its surroundings. Compared to other hotels in general, its design is different since it is aimed to provide the travelers not only a place to stay but also nature scenery to enjoy. Also it provides particular recreational places as a refreshing spot for visitors coming individually or with family. Then, range of mountains and hills that can be easily seen from the tracks is advantageous point in this design of resort hotel. Furthermore, a lot of tour places located in Batu are another advantages to consider in this design.

The design of this resort hotel uses a theme of Green Architecture in which it has a principle to emphasize on 'respect for user' and 'respect for site'. It is aimed to make visitors pleasant and comfortable. Therefore, the goal of resort hotel design as a recreational place and refreshing spot can be reached. In addition, the resort hotel is built in accordance with condition of existing site and track as much as possible to avoid destroying the environment so that people can still enjoy its natural scenes.

The resort hotel is designed as a two-star hotel which provides 84 rooms. The quantity of room is based on assumption of the hotel room supply and villa in Batu and as well as the quantity of travelers that need room to stay. This resort hotel uses passive operational system which makes use of nature as its energy resource. In practice, it uses solar cells to produce electricity and slow-moving



windmill to pump water. To fulfill the need of electricity 1.584.616,8 watt this resort hotel employs 2.642 units of solar cells in 120 WP and 1.321 electrical batteries in 100 Ah 12 V.

