

## Minimum Waste, Maximum Green in Rumah Turi



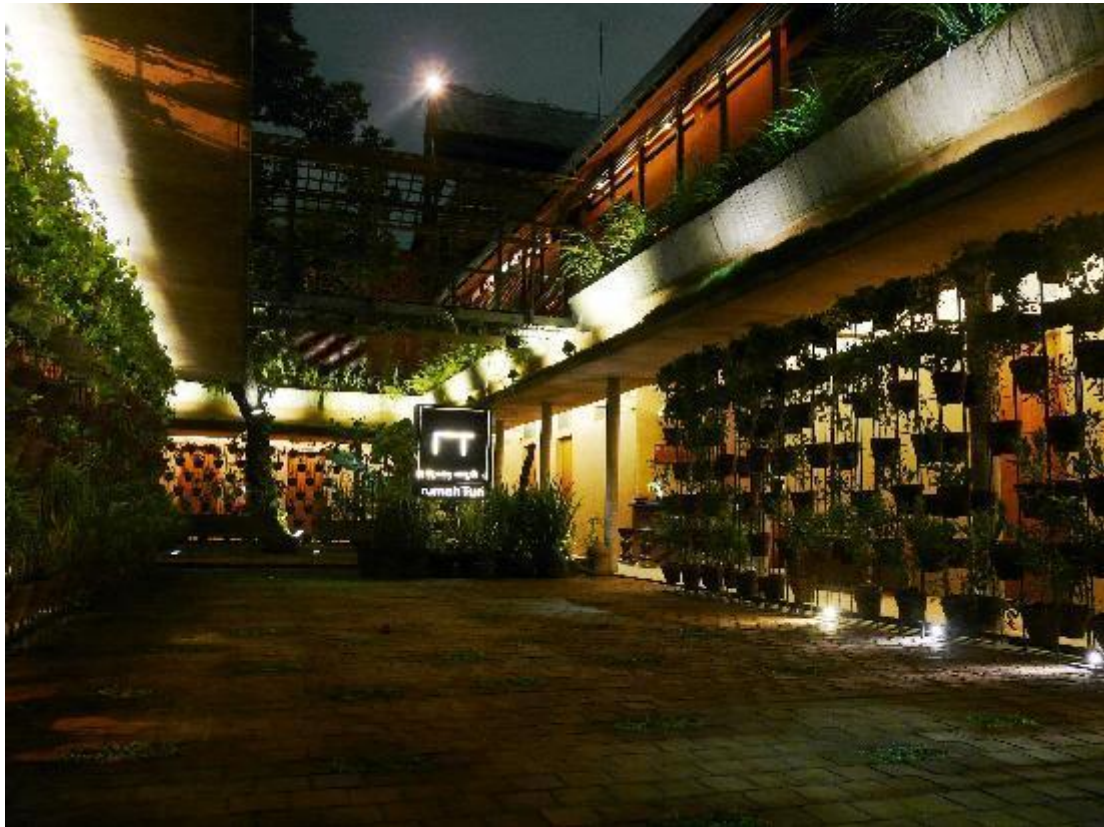
Have you start to get bored with the usual predictable concept of “hotel”? The too glamorous feeling, too modern, too pop, or just that kind of place that you may expect to come, sleep, and then spent the whole day outside without gaining any new experience inside the hotel. Well, this time, you may want to take a look at Rumah Turi, the first eco-green hotel in Indonesia.

The eco-green hotel that was built in June 30th, 2008, is located in Jl. Srigading II no. 12 Turisari, Solo. Rumah Turi offers a harmonious combination of nature with the rich culture and arts of Solo and all are presented in green design techniques. By staying in this hotel, the guests are expected to have themselves experienced the down to earth green design techniques that are not overated, applicable, and surely comfortable to enhance the indoor environment quality.

It is not an exaggeration to say that Rumah Turi is a true example of a successful green designed hotel with recycled material. Not only to adaptively reuse a house to become a hotel, Rumah Turi also reuse almost all possible material from the old construction. From the ordinary usage of the old usable roof for the new construction, to the usage of fused of broken bricks and tiles as wall covering. This new wall covering material brought natural colours of clay in it, so that the wall need no more paint for its finishing. The advantage apart from better indoor air quality (IAQ) because use less wall painting, the colours also will not fade to reduce the maintenance issue. The excess bricks were also creatively used as pavement for the entry and lobby, which on the sidelines of the pavement were built biopori holes as groundwater recharge.

Rumah Turi also apply a water sanitation system to process waste water from the bathrooms and any guest water related activities by channeling them to the biofill. Biofill will process waste and turned it into water. The processed water then channeled to a tank, with natural water purifier (layers of fiber, sand, and gravels), behind the restaurant for further channeling toward artificial waterfall. This waterfall is designed to create breeze and highlight the natural atmosphere in the form of artificial rain to water the plants at the same and reduce the heat in the hotel environment.

The furniture in Rumah Turi are mostly made from recycled wood. The headboards in the standard rooms are made from former railway wood sleepers with some holes where the rails bolt lock maintained as decorative element. While on the other hand, the tables, chairs, and bookshelves in the restaurant are made of industrial and export excess waste so that you will not find one that is uniform. Moreover, several doors in Rumah Turi rooms are the undamaged doors taken from construction ruined by the earthquake that hit Bantul, Yogyakarta in the year 2006.



The rooms are designed to utilize daylighting and cross ventilation by applying big sliding glass doors located near green area like the garden. And to prevent the heat, Rumah Turi using natural shielding such as tall bamboo plantation and vertical greenery in pots. This technique allows the restaurant to use only natural ventilation. Another energy conservation is applied in the usage of 0.2W LED lamps for all luminaries of this 847 m<sup>2</sup> width hotel. The usages of LED lamps provide 30%-40% savings of electricity bills. The lamp fixtures are designed creatively such as the application in the restaurant lighting that reuse old bulb and change the lamp inside with LED lamps to create artistic lighting design.

Rumah Turi is designed with the idea of letting the nature comes first before the building. This idea allow no logging of trees during the construction period. The building mass configuration are designed to adapt the distribution of existing trees. Apart from commercial use, Rumah Turi also embrace education function. The rooftop and the corridors acts as plant conservation and is fully planted with productive plantation. Rumah Turi is design to let the guests enjoy the city of Solo, get the insight of eco-green, and to experience friendly service like home all at the same time.



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