

ABSTRACT

Zien, Hafidz Zamroni. 2012. **Malang Distro Park**. Dosen Pembimbing:
Ernaning Setyowati, M.T. dan Achmad Gat Gautama, M.T.

Keyword: Malang Distro Park and *Architecture Bioklimatik*

Nowadays distro business has spread into all cities in Indonesia, including Malang. Malang is famous with the tourism place and the city of education. The market sale of distro business in Malang every year always has a very significant development.

However developments of distro in Malang are not concentrated in one area but separated across the city and district, thus causing from the inappropriate target market distro business. Because of this circumstance, it is necessary to build a place where all of the distro that spread all over Malang assembled together in a park. In the future this park will be a trade center of distro business development in Indonesia.

The design of the future distro of this park is a container for the production and marketing of distro in the entire city of Malang in open space and surrounded by gardens. Objects are designed by highlighting principle of energy-efficient, environmentally friendly, and reduce damage to the earth. The park design is very match with the theme of architecture bioclimatic.

Form of the building is designed to maximize the potential of climate footprint such as solar and wind energy so as to minimize the artificial energy. Physical form of buildings processed in such way in order to make pattern of the building is aerodynamically, with the aim of the movement of winds flowing from west to east. While the arrangement of the buildings that surround the north, south, and west of the site are in accordance with the analysis that has been applied to the software ECOTECH 5.50, so that movement of the sun and the shadows that have been generated in accordance with the bioclimatic architectural theme. Arrangement of the buildings with the bioclimatic architectural theme has also been supported by a system of open space situated around the building. It aims to maximize the maximum exposure to sunlight and wind movement.