

ABSTRACT

Sa'diyah, Siti Khalimatus, 2015. **Design of Honey Bee Cultivation and Conservation Center in Batu**. Supervisor: Aulia Fikriani, MT. dan Aldrin Yusuf Firmansyah, MT.

Keywords: Design, Honey Bee Cultivation and Conservation Center in Batu, *Biomimicry Architecture*.

Honey bee cultivation and conservation can be categorized as a work on nature utilization that continuously depend on honey bee habitat, because cultivation and conservation have a relevance between the benefit, guarding, protection, and nature resource improvement. A substance from the Holy Quran explains about suggestion in cultivating honey bee that can be very useful and that will give a lot of advantages to human life and plants. The design of this honey bee cultivation and conservation center uses the theme "*Biomimicry Architecture*", because it is possible to get learning source from honey bee, from its life process, its form, or its structure. *Hablum minal 'alam* as the ideas in conceiving a design and the concept "*Open Circulation System of Bee*". This concept takes the three honey bee system: inner bee head system, respiratory system, and exoskeleton system. With using the theme "*Biomimicry*" and the concept "*Open Circulation System of Bee*" it can provide an illustration for the visitor about honey bee habitat.