

ABSTRACT

Nowadays, energy problem is one of the most important problems which have to be solved. The main problem is dependability of modern devices needs electrical and fossil energy meanwhile those energies can be exhausted at any time. Therefore, renewable energy is urgently needed. By using solar, the problem of energy dependability could be solved. Solar could be converted to a media that immediately could be used for daily needs. This final task will discuss about a device which namely solar collector parabolic trough type. However, there are many details that must be considered within the process of energy conversion using parabolic trough such as the build design tool, some media that used in solar distribution and the process of how solar can be well distributed to another media that will be used. This final task will be explaining about the fluid which could be used to look for efficiency of the parabolic trough.

Keyword : *Solar collector, Parabolic trough concentrator.*