DESIGN SOLAR ENERGY STOVE AS AN COOKING ALTERNATIVE MEDIUM FOR HOUSEHOLD

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Abstract

Today, blended food stuff to be a served food properly, quickly and cheaply needs become an alternative to the labor and housewives in cooked. ut the development of the current situation does not yet reflect it, because almost every cooking equipment that uses still have a relatively high cost price. This could be seen from the using of non-renewable natural resources. Though there are still other methods of elements or media for cooking. One of them that could be developed is through solar energy stoves.

Solar energy stove (solar cooking) is an alternative media or tool in the cooking process that is used for household needs. as the crude oil prices around the world that also happens in Indonesia, solar energy stove begin be considered by the people that use the fuel oil stove. But solar cooking that is now being produced, most are still working outside the room or under the direct solar radiation.

To solve the problems above, need an initial studies in the analysis of new products based on convenience and purchasing power. Then, the next steps would result a new innovative design which consider the compound criteria and standard of users and housewifes on choosing product and user friendly in use.

Innovation to meet the requirements above is a design of solar energy stoves in accordance with the concept of environmentally friendly, inexpensive, and easy to use. The design is a form of solar energy stoves using water mediu as a heat source in accordance with the working principles of a magnifying glass (loops) which will be reflected on a flat mirror using human power.

Key word : Practis, Simple, easy to use