

ABSTRACT

Mobile phones are used by users as a means of communication, apart from that, mobile phones also have an alarm feature that functions as a time reminder, for example to wake users up in the morning. The problem with the alarm feature is the occurrence of a malfunction caused by the location or position of the mobile phone that is arbitrary and the battery power on the cell phone is running out. The purpose of designing and developing this product is to support and improve the success of the existing alarm function on mobile phones.

This product is designed for mobile phones using the Ulrich-Eppinger product design and development method. After the design plan is finished, the product will be prototyped to carry out the trial phase to check the level of product validity.

The result of this product design is called a cell phone storage area. This product is made from a kind of wood, to be precise, multiplex. The use of a wood-like material (insulator) was chosen to maintain safety, considering that this product has several electrical components. Product placement or placement is recommended to be on the wall around the user's bed so that product performance is more optimal.

The implications or benefits of the results of product design this time are to increase the success of the existing alarm function on mobile phones as the problems previously described.

Keywords: *Mobile phone, alarm, design, product development, Ulrich-Eppinger*