

**UNIVERSITI TEKNOLOGY MARA**

**DESIGN AND DEVELOPMENT OF ICE CREAM  
TOOL CUTTER**

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## **ABSTRACT**

Ice cream potong is an ice cream that form in a cube shape. It is one of famous brand ice cream in Malaysia. Potong means “cut” in Malay, since the ice-creams are well cut from a big portion to the small rectangular ones that been familiar with now. The knife issues started when the efficiency and time saver to cut ice cream potong manually by using a knife to get cube shape were not an effective way. The objective is to produce an ice cream potong tool cutter that can cut the ice cream block more effectively. In hope where the efficiency of cutter tool would increase, and the time saved would be increased. My alternative to solve this problem are to design a simple ice cream potong tool cutter that can work automatically to cut ice cream block. Also, this product can do manually by giving some force at grip holder with pull it down to cut ice cream block. The material that be used to make the blades usually using a stainless steel by the strength and deformation in term of static structural analysis. The design of the knife is used software SolidWorks. For the analysis, simulation for knife is uses SolidWorks software.

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