

Thesis Title	An Efficiency Determination of Automatic Blood Shaker Machine
Thesis Credits	12
Candidate	Mr. Wicha Choosrichom
Thesis Advisor	Assoc. Prof. Dr.Narong Mungkung
Program	Master of Science in Industrial Education
Field of Study	Electrical Engineering
Department	Electrical Technology Education
Faculty	Industrial Education and Technology
Academic Year	2013

Abstract

This study was set determine automatic blood shaker machine efficiency. This machine can be used for inside and outside the hospital. The machine is designed to swing with mixing blood and liquid in order to protect the blood hardness. The blood bag is tested to donate 350 milliliter and 450 a milliliter sizes. The weight has that on the average that receive to donate the blood equals to 346.70 a milliliter, and 456.60 a milliliter. The error level average is 1.54 % and 0.96 % respectively. The volume of blood is not exceeding ± 5 %. These results are shown that this blood shaker machine can be used for the general hospital.

Keywords: Blood Shaker / Efficiency / Hospital