ABSTRACT

Blood Bank is a place to save and to proceed blood pockets which can be found in Indonesian Red Cross (PMI), and under surveillance of blood transfusion unit. Indonesian Red Cross (PMI), is an organization which gives services blood supplies and demand from society through hospitals. Hospitals go to PMI to ask if the blood pocket containing certain type and quantity were available in PMI's blood bank branch. If it was available, then hospital order it by filling blood request from. Unless, the hospitals must search information to other PMI branches which still have the supply, then if it was found, hospital orders it.

In this final project, was built **"Application Of Blood Pocket Supply and Reservation Service in a Blood Bank Using SMS In Indonesian Red Cross Of West Java Region"**, which can be used by hospital or doctor on behalf of certain hospital to access information and order blood pocket to PMI's blood bank branch by using sms.

This application was built by using object oriented method. The database of this application uses MySQL. The program itself is built by using Object Oriented Programming with Borland Delphi 7. And also uses Rational Rose 2000 as System Modelling tool.

Keywords: Blood bank, Indonesian Red Cross (PMI), MySQL, Object Oriented, Delphi 7