

**ABSTRACT**  
**DESIGN OF APPLICATION USER MODULE BLOOD DONATION**  
**BASED WEB APPLICATION USING SCRUM METHOD ON**  
**STARTUP E-VAMPIRE**

**By**  
**FADLI ANUGRAH EMAS**  
**NIM: 1106130151**

The ideal blood supply for donors is 2% of the total population adjusted to international health standards (WHO) standards. So if the population in Indonesia amounted to 258,705,000 people (Badan Pusat Statistik , 2017), then ideally needed as many blood 5,174,100 blood bags. However, in 2016 and then, the amount of blood collected from donors as much as 4.600.000 blood bags. So nationally there is a lack of blood needs a total of 574,100 blood bags. From the results of the surveys we have done, there are several reasons people are afraid or unwilling to do blood donation. Some of them are the fear of contracting the disease, the fear of injected, the body becomes weak, trauma and fear of fat, it can be concluded that the main cause of the community is not donating their blood is the lack of public education about blood donation resulting in the lack of awareness (public awareness) to do blood donation. Appears an idea to cover the shortcomings of existing applications by creating a new application called E-Vampire. To support the increased understanding of blood donation, one of the E-Vampire applications will be launched based on website applications. E-Vampire website based design application will use one of life cycle development software agile that is scrum. Scrum is one of the variants of iterative and incremental agile methods. The development of E-Vampire applications will be brought to the next level in the business world into a startup company (Scrum Alliance, 2016). The E-Vampire Startup adopts one of Lean Canvas's business models that is useful for designing the business needs required by E-Vampire startup for the next few years. It can be concluded that a website-based E-Vampire application is designed to increase public awareness of the importance of blood donation.

*Keyword : scrum, websiter, startup, blood donation*