ABSTRACT

Online examination is a web-based application that can be used by doctor to be able to do online examination to their coassistant. The author's purpose to build an online examination application *coassistant* in Deli Serdang Hospital is to make the examination more effective implementation, and help *coassistant* and specialist doctors saw immediate value obtained coassisten without having to wait long. Beside, it also facilitates *coassistant* to register to specialist desired, *coassistant* facilitate the search for information on specialists in the hospital, and can help a specialist to determine whether the data and the number *coassistant* increases or not. Working methods that I use in building applications online exam is the waterfall method. In the first stage, the authors conducted a needs analysis is to analyze business processes in Deli Serdang Hospital by observation and interviews to specialists and *coassistant*. The second stage is the design of the system in the flowmap and erd. The third stage makes the program code with PHP, and the next stage is tested using black box testing. Users of this application is a specialist doctors and *coassistant*. This application can facilitate specialist doctors and *coassistant* in the implementation of an online examination that makes the examination more effective.

Keywords: Application, Online Examination, Coassistant