ABSTRACT

Suture which were was studied in medical science is sewing techniques to align the two edges of the wound. Based on the state of the patient's wound, There are several techniques for performing suture. All the techniques that have been taught especially suture subcuticular technique and simple interrupted, there are still some medical students who are less and do not understand the technique of suture. Because of these problems, then simulation that focuses on subcuticular and simple interrupted technique was made in this research. Simulations performed using laptop and Leap Motion with the flow presented in the form of simulation suture. This simulation was made base on Windows and using Leap Motion as the hand gesture recognizing for navigation. In this simulation there are two options, namely simple interrupted and subcuticular.In this simulation, the user can view each phase to properly perform suture which was shown by animation. This simulation is designed to help medical students understanding the material simple interrupted suture technique and subcuticular.This research is producing a simulation with user acceptance as 70%.

Keywords: suture simulation, simple interrupted, subcuticular.