

ABSTRACT

The development of globalization has a significant impact on the world of health, especially with the development of the world more and more diseases that will be suffered by humans. Advanced technology and education increasingly leads students to be active, where this activity can be bad and errors occur in the student body. The most common occurrence is the pattern of posture and posture that often causes trauma to the bone. Spinal disorders, especially scoliosis has a considerable amount, in Bandung based on data from RSKB Halmahera Bandung in 2016-2017 end there are 272 people with scoliosis. Scoliosis is a spinal disorder so the spine curves to the left or right side. Scoliosis grows at a young age (11 - 18 years), many young adolescents who do not understand this disorder. Young adolescents who have scoliosis with a degree above 50o should perform further treatment such as wearing a brace so that many young teens who do not know and cause mock scorn to teenagers wearing brace. Therefore, it needs an effective and interesting media in giving information and easy to use by young teenager. In collecting data, this study used mixed methods such as questionnaires, interviews, literature study and observation. The final design result is a spine health mobile application with a wide range of features. It is hoped that the mobile app can help young people understand scoliosis and can adopt a healthy lifestyle, and can easily access this app in leisure time and can enjoy many features such as consultation with an expert doctor, reading the latest health articles, and young teenagers can exchange stories or information related to spinal health.

Keywords: Health, Spine, User Interface, teenagers