

ABSTRACT

This study aims to determine the interests and talents of children who go to school in the age range of 16-20 years with methods and tools in psychology that can help school children who are required to choose majors in their school that are in accordance with their potential. They can choose natural science majors. / IPS and if in vocational school there are still many more majors available to choose from. Therefore we find solutions to Psychological Tests of interest and are going to help teenagers.

This final project will discuss about the design and implementation of the Kraepelin Psychological Test to find out the interests of young children's talents using computer-based applications that will be programmed with web-based. This Psychological Test is to help determine the interests and talents of teenagers. The implementation of this Psychological Test is to find out the interests and talents of teenagers as well as the handling of what should be done for these teenagers.

This application has 96% accuracy.

Keyword : *Psychology Test, Kraepelin Test, Computer Based Test, Web, K-Nearest Neighbor*