

ABSTRACT

The development of technology is very fast, this can be used as a tool to facilitate and help humans in many fields, one of which is in the field of health and world psychology. Many of the people who after experiencing a traumatic event face mental problems such as anxiety, stress, panic or other symptoms related to PTSD but do not go for counseling to a psychologist because it is uncomfortable to meet strangers or financial constraints.

The author in this final project designs a system that can help someone who does a test that contains twenty questions about PTSD symptoms. This test uses datasets that have been validated by psychologists, both primary datasets and a combination of rules.

The test system for this algorithm has carried out tests to find the value of the k-Nearest Neighbor algorithm modeling accuracy with the best accuracy results with an accuracy of 99.02% and also performed alpha testing with an accuracy obtained of 100%. the results of the accuracy of the system also get an accuracy of 94.28%, it can be concluded that this PTSD psychological test system fulfills the goals that the author wants, namely being able to find out a person's PTSD disorder.

Keywords: *Psychology Test, KNN Algoritma, PTSD, Trauma,*