

## ABSTRACT

---

*Education in high school is still running a system that requires students to choose specialization. Determination of specialization that occurs at this time, students still have complaints about the results of decisions that have been obtained, but the school does not have enough time to handle these complaints. To solve this problem, it is necessary to have an application that can determine student specialization faster than the current process, and provide predictive results that can be used as references. Interest Prediction Application is a web-based application using CI framework and K-Nearest Neighbor Algorithm. The Interest Prediction Application can determine specialization faster than the current process.*

*Keywords: Determination of Interest Prediction, web-based, K-Nearest Neighbor.*