

## ***ABSTRACT***

*After graduating from high school, many students choose to go to good universities. Even though the nice campus is very far from home, the student still wants to study there. Therefore, these students need to rent a boarding house or rented place to live. The difficulty of finding a boarding house or rented house that suits your taste is a problem that must be resolved.*

*This final project provides a solution to solve the problem of finding a boarding house and boarding house that suits the user's wishes. There have already been created boarding and rented search applications to solve this problem, but it is still less effective at finding lodges that suit the user's taste. Therefore, there needs to be an application that applies artificial intelligence algorithms to recommend based on individual tastes. This final project is making a mobile application using an artificial intelligence algorithm, namely collaborative filtering.*

*This application uses user interaction data with properties totaling 1,897 obtained from the koseker.com website. From this amount of data, the recommended accuracy value is 87.79%. Based on the tests conducted, the more interaction data, the more accurate the results of the recommendations provided.*

***Keywords:*** *Recommended System, Collaborative Filtering, Artificial Intelligence*