

## ***ABSTRACT***

### **DEVELOPMENT OF THE BEST KOST RANKING APPLICATION USING THE TOPSIS METHOD**

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*Purwokerto is a student city that wants to continue to have many new students in Purwokerto. Purwokerto is also known as a tourist city with many tourist attractions that can be visited as a refreshing place. Of course, new students who want to continue their studies will want to find a place to live temporarily, or a boarding school that meets their wishes. Based on existing problems, the author has the idea to create a ranking system and provide the best recommendations. This system will provide decision support for immigrants as expected, allowing you to find temporary housing and retirement. The computing process is also automatically carried out by the system to facilitate the final report work. The system result will be a web. This makes it easier for users of this system to find temporary and retirement housing according to their desired criteria. The report generated from this system is the best boarding recommendation. In this research, we group popular tourism options using technology in order of preference through similarity with the ideal solution method Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS).*

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