ABSTRACT

Students who study at a university do not only come from within the city but also come from outside the region. Students from outside the region who are going to study at college are looking for temporary housing near their place of study. There are students who choose to live in rented houses, but not a few also prefer to live in boarding houses. However, most students outside the region have difficulty choosing a boarding house or rented house due to limited information. It is not uncommon for them to get a boarding house that is not what they want. Therefore, a research was made with the title "Decision Support System for Choosing a Boarding House in Surabaya Using the AHP (Analytical Hierarchy Process) Method" to assist decision making by utilizing data and models to determine the desired criteria by students based on predetermined criteria. From the rankings of boarding houses in 30 universities in Surabaya. There are three universities whose calculation results are in the top results, namely: first UPN Veteran East Java with Kost Sanastia Berkah (female) which has an overall result of 0.3210, second is University of 45 Surabaya with Kost Putri Lina which has an overall result of 0.3073, and the third is universities. Bhayangkara with Kost Pak Tiyar (female) who has an overall result of 0.3017. And all of them have a consistency ratio value less than 0.1, so the calculation results can be declared correct.

Keywords: Student, boarding house, SPK, AHP.