

## **ABSTRACT**

PT. Palembang Bowling Center does not yet have a decision support system determining the location, so that in making the determination of the location is still done manually. Final Project Report entitled "Location Determination Decision Support System On PT. Palembang Bowling Center" aims to make decision support systems in determining the location of branch companies using the AHP method that can help in the process of selecting the right location. Software development methods used method of Waterfall by conducting interviews and references used to collect data. The conclusion the system can calculate the value of the comparison criteria and AHP method can display the results of the comparison chart. Generated applications can be used in choosing a location on the PT. Palembang Bowling Center. In addition, existing facilities in these applications among others, the results presented in graphical form that facilitates decision making. But in this application only to the level criteria are not at the level of subcriteria.

**Keywords:**

PT. Palembang Bowling Center, Location, AHP, Criteria