

## **Abstract**

**Today the hotel sector is increasingly developing and even becoming a necessity for humans. This development is evidenced by the many e-commerce hotels that provide various kinds of hotel information to users. The increasing hotel sector has made hotel e-commerce build a recommendation system to assist users in choosing hotels. So far, the method that is often used in building hotel recommendation systems is content-based. In this thesis the author will discuss the construction of a hotel recommendation system using the user's preference transition method. The basic idea is that sales records illustrate the relationship between user preferences and hotels that have been visited. The recommendation system to be developed will make the Transition Network Preference based on sales records, and will provide recommendations based on hotel choices from the network. Preference transition network is a network that represents hotel sales records in the form of directed graph.**

**Keywords: Recommendation System, E-commerce, Preference Transition Network, Hotel Recommendations.**