

## ABSTRACT

*Practical Work is a compulsory subject that is carried out by Telkom University students at the undergraduate level which is practical and independent in institutions related to the Faculty of Electrical Engineering. In this practical work activity, students are expected to gain knowledge and experience to prepare themselves for the world of work and understand the interrelationships between theories, methods, techniques, and realities in the workplace. Students are required to complete the requirements that have been determined to be able to carry out practical work. In the initial step of practical work activities, students must choose a company/institution as a place of practical work for which a location assessment will be carried out. For this reason, students need recommendations that are appropriate to their conditions.*

*Created a system that can provide a prediction. The Decision Support System (DSS) is an interactive computer-based system, which helps decision makers through the use of data and decision models to solve problems. So from these problems, a final project research on DSS was carried out to provide predictions of practical workplaces for students according to their respective interests. This Decision Support System was created using the Support Vector Machine method using the Python programming language. This system is made in the form of a website using the flask framework and has been tested for Alpha Testing and Beta Testing. The results of testing the Support Vector Machine algorithm on a practical workplace prediction system were obtained using a data partition of 90% training data and 10% test data, then using the SVC value parameter, namely  $C = 10$ , kernel = rbf, gamma = auto, by obtaining an accuracy value. by 50%.*

**Keywords :** *DSS, Internship, Support Vector Machine, Flask Framework, Website*