

## **ABSTRACT**

### ***ANALYSIS AND DESIGN FOR DASHBOARD DECISION SUPPORT SYSTEM IN FIELDS OF SPECIALIZATION SELECTION (CASE STUDY: BACHELOR OF INFORMATION SYSTEM TELKOM UNIVERSITY)***

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*Every student who studies at a college will choose a study program which is the focus of the field to be studied in the study program. After that they will choose the field of specialization provided. Generally, the division of specialization is provided by each campus, and the specialization is chosen by students. This process is very important considering that each person's career suitability will be different according to the suitability of their respective potential. However, Telkom University Information Systems Study Program has a problem where they have difficulty determining specialization according to their potential. So they finally choose a specialization field that they think was easier or choose based on the choice of friends, or choosing that field without seeing their own potential. The specialization field selection system used still using manual method, making the process takes a long time.*

*Decision support system with dashboards must be well designed so that users can find out information only by looking at a glance and can take appropriate action to select specialization for students. The design of this dashboard uses a Pureshare and for data processing based on classification with Decision Tree. This dashboard is expected to help study program heads and guardian lecturers in making decisions to choose the right and the fastest way possible for student field of specialization in Information System study program at Telkom University.*

**Keyword:** *dashboard, decision support system, field of specialization selection,*