

## ABSTRACT

### **Interest Students X Class Of Audio Video Skills Competency SMK N 3 Yogyakarta In Participating Line Follower Robotic Extracurricular**

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The purpose of final project this thesis is: (1) determine the effect of intrinsic factors to the interest students X class of audio video skills competency SMK N 3 Yogyakarta in participating line follower robotic extracurricular, (2) determine the effect of extrinsic factors to the interest students X class of audio video skill competency SMK N 3 Yogyakarta in participating line follower robotic extracurricular, (3) determine the effect of intrinsic and extrinsic factors to the interest students X class of audio video skill competency SMK N 3 Yogyakarta in participating line follower robotic extracurricular.

This study used survey research methods, variables in this study is interest students X class of audio video skill competency SMK N 3 Yogyakarta in participating line follower robotic extracurricular divided into intrinsic factors ( $X_1$ ), extrinsic factors ( $X_2$ ), and extracurricular (Y). The population in this study is X class of audio video skills competency force 2012/2013 which amounts to 68 students. Data collection techniques in this study is questionnaire likert scale measuring. The number of questions in the questionnaire is 60 items, and items that fall is 14 items, so that valid and reliable items totaling is 56 items. Techniques of analysis in this study is a multiple regression analysis.

The results of this study are : (1) interest students X class of audio video skills competency SMK N 3 Yogyakarta in participating line follower robotic extracurricular that is equal to 0,372 then the value consulted with  $R_{table}$  intrinsic factors bring low influence to interest students in participating line follower robotic extracurricular and the effective contribution of intrinsic factor is 23,41%, (2) interest students X class of audio video skills competency SMK N 3 Yogyakarta in participating line follower robotic extracurricular that is equal to 0,429 then the value consulted with  $R_{table}$  extrinsic factors bring moderate influence to interest students in participating line follower robotic extracurricular and the effective contribution of extrinsic factor is 30,88%, (3) there is a significant effect between intrinsic and extrinsic factors on interest students X class of audio video skills competency SMK N 3 Yogyakarta in participating line follower robotic extracurricular, this is indicated with correlation coefficient is 0,737, coefficient of determination is 0,543, effective contribution of intrinsic factor is 23,41%, and effective contribution of extrinsic factor is 30,88%.

Keyword : line follower robotics, audio video skill competency