ANALYSIS FACTOR AND CLASSIFICATION OF ABILITY ENGLISH NEW STUDENTS ITS

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Abstract

English Ability is an important skill that needs to be controlled by the people in order to face globalization era which has lasted. Demands to be English is one aspect that needs to be controlled by a student. This study investigates the relationships among the various measurements of current educational Senior High School to go to college which is used to describe anything that may form the English Ability which grades up to half of the fifth semester, UNAS English, TOEFL Listening, Grammar, and Reading, score TPA, the value of IPS. Statistical methods used include factor analysis, cluster analysis, discriminant analysis and biplot analysis. ITS new students have English skills that stand in the Reading section, is illustrated by the bar chart which shows that the average new students excel in Reading throughout the faculty in ITS. Results of grouping, there are 4 groups formed, all variables become variables differentiator with 79.8% accuracy grouping functio n .This method used statistics include factor analysis, cluster analysis, discriminant analysis and biplot analysis. Mapping sh ows the cluster 1 Department of Business Management has the ability Listening, Grammar, and Reading are very weak. Cluster 2 showed a weak ability majors in Listening, Grammar, and Reading is dominated by the highest FMIPA dominated by FTI. Cluster 3 shows the Department of Multimedia and Network poor ability in Listening, Grammar, and Reading. Cluster 4 shows the ability of English Listening, Grammar, and Reading were low and dominated by the highest FMIPA dominated by FTI. All variables used is a distinguishing variable in each cluster.

Keywords : English Ability, Factor Analysis, Cluster Analysis,, Discriminant Analysis and Biplot.

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