ABSTRACT

**THE CORRELATION OF ENERGY AND PROTEIN INTAKE,
NUTRITIONAL STATE ON THE LEARNING ACHIEVEMENT
ACCELERATION AND NON ACCELARATION CLASS IN SENIOR
HIGH SCHOOL 2 BANDAR LAMPUNG PERIOD 2011/2012**

By

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The balance food intake and nutrient requirement, especially energy and protein

greatly affect the growth, development, intelligence, health, and child activity.

The purpose of this research was to determine the correlation of energy and

protein , nutritional state with learning achievement acceleration and non

acceleration class Senior High School 2 Bandar Lampung Period 2011/2012.

This research has been done by using observasional method with cross sectional

approach. The population in this research off all students grades XII natural

science acceleration and non acceleration class, , that amounts to 227 students.

The number of samples that used as many as 36 students with the sampling

technique are total sampling for acceleration class and judgemental sampling for

non acceleration class. The data was analysed by univariate, bivariate, multivariate.

Results of the research showed that from 18 samples acceleration class contained 1 (5,6%) students who had less energy and protein intake, 17 (94,4%) students with adequate energy and protein intake, 6 (33.37%) students who had not good nutritional state, 12 (66,63%) students with good nutritional state, in non acceleration class 3 (16,7%) students who had less energy and protein intake, 15 (83,3%) students with adequate energy and protein intake, 5 (27,78%) students had not good nutritional state, 13 (72,22)students with good nutritional state.

The Bivariate analysis showed that there was a significant relationship between energy and protein intake with learning achievement (p=0,043) in non acceleration class. There wasn't a significant relationship between nutritional state with learning achievement (p=1,000).In an acceleration class can't identify with statistic test

The Multivariate Can,t identify in acceleration class. The Multivariate analysis showed that there was a significant effect between nutritional state, energy intake and protein intake on the learning achievement of acceleration class.. Variabel Nutritional State was a significant effect on the learning achievement.

Key words : Energy Intake, Protein Intake, learning achievement, Senior High School 2 Bandar Lampung, Accelaration and Non Accelaration Students.