

Thesis Title	Problems of Teaching and Studying in Electrical Subjects of Higher Vocational Certificate in Department of Electrical Power, Institute of Technology and Vocational Education
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### Abstract

The objectives of this research were to study teachers and students' opinions concerning teaching and studying problems in electrical subjects of Higher Vocational Certificate in Department of Electrical Power, Institute of Technology and Vocational Education and to compare opinions according to some significant variables. The researcher himself collected data from every campus by distributing the questionnaire to two random groups and also distributing the extra questionnaire to teachers and students who were not random. The questionnaire was returned 68 sets from teacher's group and 399 sets from student's group equaling to 98.03 %. The data were analyzed by means of percentage, mean, standard deviation, t-test and F-test. The results were as follows:

1. The problems of teaching electrical aspects were :  
incompliance of subjects with demand of workforce, unappropriation of theory content, irrelevance of theoretical and practical content, incompleteness of teachers in creating and using teaching aids, incompleteness academic knowledge and skill in testing and measurement.

2. The problems of studying electrical aspects viewed by the majority of students were : lack of opportunity to select elective subjects, inadequacy of laboratory, machinery instruments and teaching aids, uncovering of examination.

From the above mentioned analysis indicated that teacher and student had the same opinions of the inadequate quantity of laboratory, machinery instruments as well as teaching aids.

3. Teacher's group possessing different academic qualification and teacher's group possessing different experience had no different opinions concerning problems in teaching electrical subject in all aspects at the level of confidence 95 %.

4. Regular student's group and irregular student's group had no different opinions concerning problems in studying electrical subject in all aspects at the level of confidence 95 %.