

Name : Mr. Somnuk Sangkeowatana  
Thesis Title : Competencies of Mechanics in Servicing Motorcycles as Perceived by Practical Mechanics.  
Major Field : Vocational and Technical Education Management  
Thesis Advisors : Dr. Suporn Panrat-isra, Assoc. Prof. Dr. Sirisak Harnchoowong  
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#### Abstract

The purposes of this survey research are to find and compare the existing knowledge and skill level of motorcycle mechanics derived from school and necessary knowledge and skills for servicing as perceived by practical mechanics.

The samples are 93 practical mechanics selected from 6 motorcycle service centres of manufacturers located in Bangkok and Samprakan provinces. Data are gathered from the questionnaires and analyzed by using percentage, mean and t-test.

The finding is that the existing knowledge is lower than the required ones in basic knowledge, using of repairs and service manual, diagnosing, servicing and managing. Their existing practical skills are also lower than the required ones in operating and maintenance of tools, repairs and service of engines, fuel system, ignition system, lubricating system, starting system, steering system, electrical system and system of suspension, brake, wheel and tyre. The result of hypothesis testing on level of existing and required knowledge and skills is statistically significant difference in every category and most tasks at  $p < 0.05$ .



..... Committee Chairperson