

## **Software-Based Supplementary Materials in MAPEH for Enhanced Learning Resource Management and Delivery System**

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### **Abstract**

The study aimed to determine the effectiveness of a software-based supplementary material in MAPEH in enhancing the learning resource management of the said subject and ultimately, to enrich learners' performance in MAPEH. The respondents were 160 students from JHS in Pagbilao National High School, Division of Quezon, stratified sampling was used due to the existing classification per grade level. The study used the mixed method research utilized experimental, descriptive-evaluative, and phenomenological research designs to come up with the findings and analyses of data. A set of assessment tools as well as a survey questionnaire were used to observe the effectiveness of software-based supplementary material in MAPEH. Data were analyzed using frequency, percentage, t-test, and Pearson correlation coefficient, and the phenomenological. The salient findings of the study are summarized as follows: Student's pre-test results were low while; the overall mean of post-test was high. The Test of correlation between the effectiveness of software-based supplementary materials and the perception of the respondents were found to be Very effective. There were significant differences between the pre and the post assessment test after the utilization of the software-based supplementary materials in MAPEH. The study recommends that the DepEd officials may help the teachers who intend to replicate the creation of software-based supplementary material to seek assistance from software creators.

*Keywords: software-based supplementary materials, competency, learning resource management, delivery system.*