EDUCATION INFORMATION SYSTEM MANAGEMENT: THE IMPLICATION OF AUTOMATION ON TEACHING AND USEABILITY OF DATA

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ABSTRACT

This study seeks to identify problems faced by teachers responsible in managing automated information system supplied by the Ministry of Education known as Sistem Maklumat Pengurusan Pendidikan Kementerian Pelajaran (SMPP-KP). Is it true that managing the automated education information system has asserted pressure in the form of additional workload which in turn affects the quality of teaching of those teachers. Time constraint (a conflict between fulfilling the need of teaching as their main task and managing the information system) has also contributed a problem to teachers from giving attention on the reliability of data particularly the accuracy and validity. This resulted in discouraging the sharing of data stored in SMPP-KP. This low level of data sharing is also partly due to the fact that teachers do not have the competency in using computer, manipulating data and handling the system. The study emphasises on 5 SMPP-KPs currently in used at schools. Survey method adopting questionnaire was used. The study was carried out in 2005 involving 31 schools in Melaka Tengah with 138 SMPP-KP managing teachers taken into account. Findings shows that SMPP-KP teachers experienced a high level of work overload which leave negative effect on teaching though at only minimum level. It is the limited time that the teachers have to check on the data and the difficulty to acquire reliable data from the source that has been contributed to the problem of data inaccuracy and validity. As a result, optimum data sharing has not taken place. It is also discovered that the level of competency of SMPP-KP teachery is only minimal despite courses are given from time to time. Perhaps, these teachers claimed that the courses they attended are of little help in improving their competency despite their claim that handling SMPP-KP indeed, need the skill of manipulating the data and the database.