UNIVERSITI TEKNOLOGI MARA

MATHEMATICS AND SCIENCE TEACHERS' SENSE OF SELF-EFFICACY AND ENGLISH LANGUAGE PROFICIENCY

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Dissertation submitted in partial fulfillment of the requirements for the degree of

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Candidate's Declaration

I declare that the work in this dissertation was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. This dissertation has not been submitted to any other academic institution or non-academic institution for any other degree or qualification.

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Abstract

The implementation of ETeMS (English in the Teaching of Mathematics and Science) in Malaysia in 2003 posed many challenges to both the students and teachers. One of the main issues is the lack of English language proficiency among the Mathematics and Science teachers. In 2009, the Education Minister announced the reversal in the policy and Mathematics and Science will again be taught in Bahasa Malaysia or vernacular languages by 2012. Many studies have been carried out linking teachers' sense of self-efficacy to positive academic outcomes including English language proficiency. The main purpose of this study is to measure the level of teachers' sense of self-efficacy, English language proficiency and to investigate if there is a significant relationship between the two variables. In this correlational descriptive study, 100 Mathematics and Science teachers from five secondary schools in the Petaling Utama district, Petaling Jaya, Selangor responded to the given questionnaires. A mixed method approach was used to analyze the data. The results showed that the teachers are fairly efficacious which means that they are confident of their teaching abilities and that these abilities will make a difference in student learning. The result also showed that the teachers are moderately to very proficient in the English language. Correlational analysis showed positive correlation between teacher efficacy and English language proficiency. The implications and recommendations of the study are also discussed.

Abstrak

Perlaksanaan PPSMI (Pengajaran dan Pembelajaran Sains dan Matematik dalam Bahasa Inggeris) di Malaysia pada tahun 2003 telah menimbulkan pelbagai masaalah kepada guru-guru serta pelajar-pelajar. Salah satu masaalah utama ialah guru-guru Sains dan Matematik kurang berkemampuan berbahasa Inggeris. Pada tahun 2009, Menteri Pendidikan telah mengumumkan pemansuhan sepenuhnya PPSMI di sekolah-sekolah dan Sains dan Matematik akan sekali lagi diajar di dalam Bahasa Malaysia atau bahasa ibunda pada tahun 2012. Beberapa kajian telah mengaitkan konsep efikasi kendiri guru dengan hasil akademik yang positif termasuk kemahiran berbahasa Inggeris. Tujuan utama kajian ini dijalankan ialah untuk mengukur tahap efikasi kendiri dan kemahiran berbahasa Inggeris guru-guru Sains dan Matematik dan untuk menyiasat jika ada hubungan signifikan antara kedua pembolehubah ini. Di dalam kajian deskriptif korelasi ini, 100 guru-guru Matematik dan Sains dari daerah Petaling Utama, Petaling Jaya telah memberi respon kepada soal selidik yang dikemukakan. Kaedah campuran digunakan di dalam menganalisa data. Dapatan menunjukkan bahawa guru-guru ini mempunyai tahap efikasi yang agak tinggi. Ini bermakna mereka yakin tentang kebolehan mereka untuk mengajar dan kebolehan itu dapat menghasil pembelajaran yang berkesan. Mereka juga mempunyai tahap kemahiran berbahasa Inggeris di antara sederhana hingga sangat baik. Analisis korelasi menunjukkan hubungan positif antara efikasi kendiri guru dan kemahiran berbahasa Inggeris. Implikasi dan cadangan turut dibincangkan.

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