Developing a systematic assessment system for the LINUS program

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ABSTRACT: The Literacy and Numeracy Screening (LINUS) program is designed to ensure that all Malaysian children should obtain basic literacy and numeracy skills. The purpose of this study is to develop an electronic system of Literacy and Numeracy Assessment (LI-ONE) that can be used for the process of teaching and learning in the LINUS program. Thus, this study attempts to reduce the learning problems faced by indigenous children using online assessment conducted by teachers. This will provide opportunities for researchers to form a right view of the strength and treatments connected to the development of Indigenous children’s numeracy and literacy skills with a specific highlight on innovative technologies such as e-assessment.

Keywords: LINUS, literacy, numeracy, E-assessment, indigenous children

1 INTRODUCTION

Literacy and numeracy skills are an ordinary process that is based on informal learning to enhance the confidence and well-being of children, especially to establish meaningful relationships and understanding the surrounding or role of the community (Sylke W M Toll & Luit, 2014). These skills are the basic skills needed by every student so that the learning process can be carried out effectively. Reading, writing, and arithmetic are the most competent skills that children need to master in early learning. The Ministry of Education (MOE) is aware that the issue of basic literacy and numeracy has not been fully resolved, and has even implemented a variety of rehabilitation programs. The issue refers to the failure of students to master the 3M reading, writing, and arithmetic (Nurazraiah Sani & Abdul Rahman Idris, 2012). The teacher’s role is crucial in implementing effective teaching and learning to ensure that students master basic literacy skills.

Furthermore, Literacy and Numeracy Screening (LINUS) is the program that has been implemented by the Ministry of Education (MOE) under the National Key Result Area (NKRA), which states that all students will be capable to master the basic skills of literacy and numeracy except students with special needs after three years of primary school education (MOE, 2013).

Overall, the objective of this study is to develop an electronic system of Literacy and Numeracy Assessment (LI-ONE) that can be used for the process of teaching and learning in the LINUS program. The aim of this research is to help the effectiveness of the LINUS program in the transition program of children in primary schools. These implementations are considered to ensure that children achieve literacy and numeracy development at the appropriate level as well as in accordance with the Ministry of Education milestones.

2 THEORETICAL FRAMEWORK

2.1 Literacy

2.1.1 Defining literacy
The current scenario indicates that the failure of literacy is a universal issue and all countries in the world have focused on literacy in their plan (Department of Educational Management and Policy Faculty of Education, 2013). In early years setting, literacy refers to the ability to read for gaining knowledge, write coherently and understand each word or sentence to apply this knowledge in...
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Economics, Social Sciences and Information Management

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Summary

The 2015 International Congress on Economics, Social Sciences and Information Management (ICESSIM 2015), held 28-29 March 2015 in Bali, Indonesia, aimed to provide a platform for the sharing of valuable knowledge and experience in the context of changing economics and social settings.

Information technology has changed many aspects in our life, including how we communicate, working, socializing, education, and business. Along with the improvement of internet, information management is very important to keep the economy moving in a positive direction and to monitor social change in society. Information management business refers to the definition of control of the business by utilizing Internet media / Information Technology to conduct business activities, or carrying out our business activities online. To utilize internet in economics, business and socializing, collaborations between engineering, the social sciences, and economics are absolutely necessary. Researchers should be more active in conducting research in all the fields and collaborating between one another across disciplines.

This proceedings volume contains contributions on the topics of business, economics, development studies, social sciences, and information technology, and will be of interest to a range of scholars, academics, practitioners, and business managers.

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Preface

The 2015 International Congress on Economics, Social Sciences and Information Management (ICRESSIM 2015), was held 28–29 March 2015 at the Sheraton Kuta Bali, Bali, Indonesia.

The 2015 International Congress on Economics, Social Sciences and Information Management (ICRESSIM 2015) aimed to provide a platform to scholars, academics, practitioners, and business managers to share their valuable knowledge and experience with each other in the context of changing economics and social settings. The objective of the conference was to bring people from academia and the business world closer so that they could share the latest developments in the fields of business, economics, development studies, social sciences, and Information Technology.

We would like to express our sincere gratitude to all in the Technical Program Committee who have reviewed the papers and developed a very interesting conference program as well as to the invited and plenary speakers. This year, we received 107 papers and after rigorous review, 30 papers were accepted. The participants came from twelve countries. There were four Parallel Sessions and three Keynote Speakers.

It is an honor to present the publication of ICRESSIM 2015 by CRC Press/Balkema (Taylor & Francis Group) and we deeply thank the authors for their enthusiastic and high-grade contributions.

Finally, we would like to thank the conference chairman, the members of the steering committee, the organizing committee, the organizing secretariat and the financial support from the conference sponsors that allowed the success of ICRESSIM 2015.

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