



A COLLABORATIVE SCIENTIFIC REASONING MODEL FOR TEACHING GEOGRAPHY IN THE MALYSIAN SECONDARY SCHOOLS

Hamizul Hamid

Center for Instructional Technology and Multimedia
Universiti Sains Malaysia, Penang, MALAYSIA
hamizunhamid@yahoo.com

Merza Abbas

Center for Instructional Technology and Multimedia
Universiti Sains Malaysia, Penang, MALAYSIA
merza@usm.my

Abstract

Malaysian educational programme has seen many alterations to address the need to keep pace with the transformation that is taking place nationally and globally. Like many countries in the world, we believe that in order to progress, we have to use science and technology. This paper aims to review the current challenges face the secondary school students in Malaysia, especially in teaching geography. The teaching issues were mostly formulated towards the use of the suitable scientific reasoning model and other learning strategies for teaching scientific subjects. This paper also reviewed a number of studies conducted to provide alternative solutions for enhancing the learning curriculum in different schools. After that, we proposed a new model for teaching geography in the Malaysian secondary schools call collaborative scientific reasoning model based on the principles of reasoning.

Key Words: Scientific reasoning, learning strategies, collaboration learning, Malaysia secondary school.