

# PROFILE OF SECONDARY SCHOOL STUDENTS WITH HIGH MATHEMATICS ABILITY IN SOLVING SHAPE AND SPACE PROBLEM

Mulia Putra<sup>1</sup>, Rita Novita<sup>2</sup>

<sup>1</sup>STKIP Bina Bangsa Meulaboh, Meulaboh  
<sup>2</sup>STKIP Bina Bangsa Getsempena, Banda Aceh  
e-mail: mulia@stkipbbm.ac.id

## *Abstract*

This study aimed to describe the profile of secondary school students with high mathematics ability in solving shape and space problem in PISA (Program for International Student Assessment). It is a descriptive research with a qualitative approach, in which the subjects in this study were students of class VIII SMP N 1 Banda Aceh. The results show that in solving the problem PISA on shape and space, high mathematics ability students were able to identify the problem by making the information known from PISA issues related to the shape and space content.

**Keyword:** Profile, Problem Solving, Task of PISA

## **Abstrak**

Studi ini bertujuan untuk mendeskripsikan profil siswa sekolah menengah dengan kemampuan matematika tinggi dalam menyelesaikan masalah bentuk dan ruang pada PISA. Studi ini merupakan suatu penelitian deskriptif dengan pendekatan kualitatif dengan subjek penelitian ini adalah seorang siswa kelas VII SMP Negeri 1 Banda Aceh. Hasil penelitian ini menunjukkan bahwa dalam menyelesaikan masalah PISA dengan konteks bentuk dan ruang, siswa yang berkemampuan tinggi mampu mengidentifikasi masalah dengan menyebutkan informasi yang diketahui dari masalah PISA yang diberikan.

**Kata Kunci:** Profil, Pemecahan Masalah, Masalah PISA

In a developing country such as Indonesia (UNESCO, 2009) which has stability in politics and religion, education has become an important issue for the society. Even at the first time spaceship fly, the majority of people in the world not only saw the innovation, but also excited to think about education (Soemanto, 2006).

Indonesia is one country that has always tried to show its teeth to the world is also involved in this case Millions of teachers, thousands of lecturers have been recruited by the state in order to meet the educational needs of young people, although there are still many shortcomings that need to be fixed in times to come for a better education of Indonesia people in the future, a wide range of educational reform have been implemented.

Mathematics, as one of the pillars science of education, needs to be owned by every student as the future generation of a nation for going forward, so that awareness and mastery competency standards in mathematics will be among students. Problem solving ability is one of the five standard of mathematical competency which became the main destination in mathematics learning and was