

FAKTOR-FAKTOR YANG MEMENGARUHI CAPAIAN LITERASI MATEMATIKA SISWA INDONESIA DALAM PISA 2012

FACTORS AFFECTING LITERACY MATHEMATICS ACHIEVEMENT OF INDONESIAN STUDENT IN PISA 2012

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Abstract: *In order to obtain information on the quality of education and the system education that are underway in various countries, it is conducted international studies called Programme for International Student Assessment (PISA). This study aims to determine the factors that affect student background of literacy mathematics achievement by PISA 2012. The study population was 15 years old Indonesian student. Samples were 5622 students of 15 year old students spread across 31 provinces. The sampling and data collection is determined by PISA in 2012 with a random sampling conducted by multilevel, clustering, and stratified. PISA data collection instruments consist of test capabilities (learning achievement) and questionnaires. The results showed that the factors that affect literacy mathematics achievement of PISA 2012 are the background from internal factors such as the personal character (discipline) of the student and external factors such as the condition of the family, ownerships of the means of learning, and social and cultural conditions at home. The study concluded that character, socio-economic and cultural conditions, computer ownership, and text book are the main factors that affect Indonesian students' mathematics literacy achievement of PISA 2012.*

Keywords: *mathematics literacy, students' achievement, PISA, Indonesian students*