

SARI

Lutfi, Ahmad. 2021. Analisis Soal Penalaran Proporsional dalam Buku Seri Soal Mandiri Matematika Kelas VII Berdasarkan Taksonomi Marzano. Skripsi. Program Studi Pendidikan Matematika. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Islam Sultan Agung. Pembimbing I: Mochamad Abdul Basir, M.Pd, Pembimbing II: Dr. Imam Kurmaryono, M.Pd

Penelitian ini bertujuan untuk mengetahui distribusi persentase soal penalaran proporsional bab Perbandingan pada buku Seri Soal MANDIRI (Mengasah Kemampuan Diri) Matematika SMP/MTs Kelas VII Kurikulum 2013 Edisi Revisi 2016 Penerbit Erlangga karangan Kurniawan serta untuk mengetahui distribusi soal penalaran proporsional pada buku Seri Soal MANDIRI (Mengasah Kemampuan Diri) Matematika SMP/MTs Kelas VII Kurikulum 2013 Edisi Revisi 2016 Penerbit Erlangga karangan Kurniawan berdasarkan sistem kognitif taksonomi Marzano.

Penelitian ini merupakan penelitian kualitatif dengan menggunakan pendekatan deskriptif. Dengan fokus penelitian yaitu analisis soal bab Perbandingan pada buku Seri Soal MANDIRI (Mengasah Kemampuan Diri) Matematika Kelas VII Kurikulum 2013 Edisi Revisi 2016. Data soal dari buku tersebut didokumentasikan kemudian dilakukan analisis berdasarkan indikator dari masing-masing level. Soal pada bab tersebut terdiri dari dua tipe soal, yaitu soal pilihan ganda dan soal esai. Jumlah soal pada bab Perbandingan berjumlah 225 soal. Yang terdiri dari soal Evaluasi, Soal Ulangan Paket 1 dan Soal Ulangan Paket 2. Pada soal evaluasi terdiri dari 175 soal pilihan ganda dan 25 soal esai. Sedangkan untuk soal Ulangan masing-masing terdiri dari 25 soal pilihan ganda.

Berdasarkan hasil penelitian diperoleh distribusi soal berdasarkan level penalaran proporsional didapatkan bahwa soal dengan level 1 (kualitatif) sebanyak 31 (13,78%), soal dengan level 2 (aditif) sebanyak 22 butir soal (9,78%), soal dengan level 3 (pra multiplikatif) sebanyak 116 soal (51,56%), soal dengan level 4 (multiplikatif implisit) sebanyak 24 butir soal (10,67%) dan soal dengan level 5 (multiplikatif) sebanyak 32 butir soal (14,22%). Sedangkan distribusi soal berdasarkan sistem kognitif taksonomi Marzano didapatkan bahwa level 1 (*retrieval*) sebanyak 6 butir soal (2,67%), soal dengan level 2 (*comprehension*) sebanyak 70 butir soal (31,11%), soal dengan level 3 (*analysis*) sebanyak 106 soal (47,11%) dan soal dengan level 4 (*knowledge utilization*) sebanyak 43 butir soal (19,11%).

Kata Kunci : Analisis Soal, Penalaran Proporsional, Buku Seri Soal Mandiri, Taksonomi Marzano

ABSTRACT

Lutfi, Ahmad. 2021. *Analysis of Proportional Reasoning Problems in Mathematics Independent Problem Series Book Grade VII Based on Marzano's Taxonomy*. Thesis. Mathematics Education Department. Faculty of Teacher Training and Education. Sultan Agung Islamic University. Supervisor I: Mochamad Abdul Basir, M.Pd, Supervisor II: Dr. Imam Kurmaryono, M.Pd.

This study aims to find out the percentage distribution of proportional reasoning problems at comparison chapter in the MANDIRI (Mengasah Kemampuan Diri) book problem Series Mathematics SMP/MTs Grade VII Curriculum 2013 Revised Edition 2016 Publisher Erlangga by Kurniawan and to know the distribution of proportional reasoning problems in the MANDIRI (Mengasah Kemampuan Diri) book problem series Mathematics SMP/MTs Grade VII Curriculum 2013 Revised Edition 2016 Publisher Erlangga by Kurniawan based on the cognitive system Marzano's taxonomy.

This research is qualitative research using descriptive approach. With the focus of research is the analysis of the comparison chapter in the MANDIRI (Mengasah Kemampuan Diri) book problem series Mathematics SMP/MTs Grade VII Curriculum 2013 Revised Edition 2016. Data from the book is documented and then analyzed based on indicators from each level. The problem in the chapter consists of two types of questions, namely multiple choice questions and essay questions. The number of questions in the Comparison chapter amounts to 225 questions. Which consists of evaluation questions, Package 1 deuteronomy questions and Package 2 deuteronomy questions. The evaluation question consists of 175 multiple choice questions and 25 essay questions. As for the deuteronomy questions each consists of 25 multiple choice questions.

Based on the results of the study obtained the distribution of questions based on the level of proportional reasoning obtained that the problem with level 1 (qualitative) as much as 31 (13.78%), the problem with level 2 (additive) as much as 22 (9.78%), the problem with level 3 (pre multiplication) as much as 116 questions (51.56%), questions with level 4 (implicit multiplication) as much as 24 questions (10.67%) and problem with level 5 (multiplication) as much as 32 (14.22%). While the distribution of questions based on the cognitive system of Marzano's taxonomy obtained that the problem with level 1 (retrieval) as much as 6 (2.67%), problems with level 2 (comprehension) as much as 70 (31.11%), problem with level 3 (analysis) as much as 106 (47.11%) and problem with level 4 (knowledge utilization) as much as 43 (19.11%).

Keywords : *Problem Analysis, Proportional Reasoning, Problem Series Book, Marzano's Taxonomy*