ABSTRAK

PENGEMBANGAN LKPD BERBASIS MODEL *COOPERATIVE INTEGRATED READING AND COMPOSITION* UNTUK MENINGKATKAN KEMAMPUAN PEMECAHAN MASALAH MATEMATIS DAN *ADVERSITY QUOTIENT* PESERTA DIDIK

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Tujuan penelitian ini adalah untuk menghasilkan Lembar Kerja Peserta Didik (LKPD) berbasis model *Cooperative Integrated Reading and Composition* (CIRC) untuk meningkatkan kemampuan pemecahan masalah matematis dan *Adversity Quotient* (AQ) peserta didik yang terkategori valid, praktis, dan efektif. Jenis penelitian yang dilakukan adalah *Research and Development* (R&D), dengan menggunakan model penelitian Borg *and* Gall. Teknik pengumpulan data yang digunakan diantaranya wawancara, angket, observasi dan tes. Hasil analisis menunjukkan bahwa, pengembangan LKPD berbasis model CIRC untuk meningkatkan kemampuan pemecahan masalah matematis dan AQ peserta didik memiliki kriteria valid dan praktis. Dari hasil uji proporsi pada kelas eksperimen didapat nilai $Z_{hitung} = 0,53 < Z_{tabel} = 1,65$ dan hasil uji *Independent Sample t-Test* didapat nilai $sig = 0,00 < \alpha = 0,05$. Sehingga, dapat disimpulkan bahwa LKPD berbasis model CIRC tidak efektif dalam meningkatkan kemampuan pemecahan masalah matematis, tetapi efektif dalam meningkatkan AQ peserta didik.

Kata kunci: LKPD, *Cooperative Integrated Reading and Composition* (CIRC), kemampuan pemecahan masalah, *Adversity Quotient* (AQ)

ABSTRACT

DEVELOPMENT OF LKPD BASED ON COOPERATIVE INTEGRATED READING AND COMPOSITION MODEL TO IMPROVE STUDENTS MATHEMATICAL PROBLEM SOLVING AND ADVERSITY QUOTIENT ABILITY

By

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The purpose of this study was to produce Student Worksheets (LKPD) based on Cooperative Integrated Reading and Composition (CIRC) model to improve students mathematical problem solving and Adversity Quotient (AQ) abilities that were valid, practical, and effective. This research type is Research and Development (R&D) using the Borg and Gall research model. The data collection techniques used were interviews, questionnaires, observations, and tests. The analysis results indicated that the development of CIRC model-based LKPD to enhance mathematical problem-solving abilities and AQ of students is characterized as both valid and practical criteria. From the proportion test results in the experimental class, $Z_{count} = 0,53 < Z_{table} = 1,65$ and from the Independent Sample t-Test the obtained value of $sig = 0,00 < \alpha = 0,05$. Therefore, it can be concluded that worksheets based on the CIRC model are not effective in improving mathematical problem-solving abilities, but are effective in enhancing students AQ.

Keywords: LKPD, Cooperative Integrated Reading and Composition (CIRC), problem solving ability, Adversity Quotient (AQ)