# ABSTRAK

**Ester Emerita Tarigan (8176182012). Pengembangan LKPD Berbasis Pendekatan Matematika Realistik Bernuansa Etnomatematik Di SD Negeri Kecamatan Haranggaol Horisan. Program Pascasarjana Universitas Negeri Medan. 2020.**

Penelitian ini bertujuan untuk 1) Menganalisis validitas LKPD berbasis Pendekatan Matematika Realistik bernuansa Etnomatematik pada materi pembulatan bilangan; 2) Menganalisis kepraktisan LKPD berbasis Pendekatan Matematika Realistik bernuansa Etnomatematik pada materi pembulatan bilangan; 3) Menganalisis efektifitas LKPD berbasis PMR Bernuansa Etnomatematik pada materi pembulatan bilangan; 4) Menganalisis peningkatan kemampuan berpikir kritis siswa melalui pengembangan LKPD berbasis PMR bernuansa Etnomatematik pada materi pembulatan bilangan. Adapun subjek dari penelitian ini adalah seluruh siswa kelas IV SD Negeri Kecamatan Haranggaol, sedangkan objek dalam penelitian ini adalah LKPD berbasis Pendekatan Matematika Realistik Bernuansa Etnomatematik. Penelitian ini adalah penelitian pengembangan melalui model 4D oleh Thiagarajan, Semmel dan Semmel. Hasil penelitian menunjukkan (1) Berdasarkan hasil validitas ahli materi 85,42%, ahli desain 94,23%, dan ahli bahasa 94, 44 %. Dari hasil validasi LKPD yang dikembangkan maka LKPD termasuk dalam kriteria sangat baik dan dinyatakan valid serta layak untuk digunakan; (2) LKPD bernuansa etnomatematik dikategorikan praktis karena LKPD hasil tanggapan respon siswa dari uji coba I dan uji coba II mengalami peningkatan dengan persentase rata-rata Uji I respon siswa 88.1% dan Uji II respon siswa 91,9% tertarik dengan LKPD; (3) Pendekatan matematik realistik bernuansa etnomatematik dikatakan efektif digunakan dalam pembelajaran dengan asumsi nilai matematika siswa lebih tinggi saat menggunakan LKPD; (4) Kemampuan berfikir kritis anak meningkat dengan persentase pada uji coba I 60% dan pada uji coba II 96%.

**Kata Kunci : Pengembangan, LKPD, Pendekatan Matematika Realistik, Etnomatematika**

# ABSTRACT

**Ester Emerita Tarigan (8176182012). Development of LKPD Based on Realistic Mathematics Approach in Ethnomatematic Nuance in the State Elementary School of Haranggaol Horisan District. Magister Program State University of Medan, 2020.**

This study aims to 1) Analyze the validity of LKPD based on Realistic Mathematics Approach with Ethnomatematic nuances in rounding number material; 2) Analyzing the practicality of LKPD based on the Realistic Mathematical Approach with Ethnomatematic nuances in rounding number material; 3) Analyzing the effectiveness of Ethnomatematic PMR-based LKR on the number rounding material; 4) Analyzing the improvement of students' critical thinking skills through the development of PMR-based PMN with ethnomatematic nuances in rounding number material. The subjects of this study were all fourth grade students of SD Negeri Haranggaol District, while the object in this study was LKPD based on the Realistic Mathematical Approach of Ethnomatematic Nuance. This research is a development study through the 4D model by Thiagarajan, Semmel and Semmel. The results showed (1) Based on the results of the validity of material experts 85.42%, design experts 94.23%, and linguists 94, 44%. From the results of the validation of the LKPD developed, the LKPD is included in the very good criteria and is declared valid and is suitable for use; (2) LKPD with ethnomatematic nuance is categorized as practical because LKPD results of student responses from trial I and trial II have increased with an average percentage of Test I student response 88.1% and Test II student response 91.9% interested in LKPD; (3) A realistic mathematical approach with ethnomatematic nuance is said to be effectively used in learning with the assumption that students' mathematical scores are higher when using LKPD; (4) The ability to think critically children increases with the percentage in trial I 60% and in trial II 96%.

**Keywords:** *Development, LKPD, Approach Realistic Mathematics, Ethnomatematics*