

**PENGEMBANGAN E-LKPD BERBASIS ETNOMATEMATIKA KAIN
TENUN ENDEK TRETES, TUMPAL, DAN JUMPUTAN PADA MUATAN
MATEMATIKA MATERI BANGUN DATAR KELAS IV SD NO 1 KUTUH
TAHUN PELAJARAN 2024/2025**

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ABSTRAK

Penelitian ini bertujuan (1) mendeskripsikan rancang bangun E-LKPD berbasis etnomatematika kain tenun endek tretres, tumpal, dan jumputan, (2) mengetahui kelayakan E-LKPD berbasis etnomatematika kain tenun endek tretres, tumpal, dan jumputan, dan (3) mengetahui efektivitas E-LKPD berbasis etnomatematika kain tenun endek tretres, tumpal, dan jumputan. Penelitian ini menggunakan model pengembangan ADDIE. Teknik pengumpulan data dilakukan dengan wawancara, observasi, angket, serta tes. Analisis data penelitian menggunakan analisis deskriptif kuantitatif, kualitatif, dan analisis statistik inferensial. Hasil penelitian ini berupa (1) E-LKPD berbasis etnomatematika kain tenun endek tretres, tumpal, dan jumputan pada muatan matematika dikembangkan menggunakan *website Liveworksheet* berisi materi dan latihan soal yang menarik dan relevan untuk meningkatkan pemahaman siswa terhadap materi bangun datar. (2) Kelayakan E-LKPD berbasis etnomatematika kain tenun endek tretres, tumpal, dan jumputan diperoleh melalui hasil uji isi/materi pembelajaran dengan persentase 90,90% (sangat baik), uji ahli desain instruksional dengan persentase 91,67% (sangat baik), uji ahli media pembelajaran dengan persentase 92,19%, uji perorangan dengan persentase 96,20% (sangat baik), dan uji kelompok kecil dengan persentase 97,21% (sangat baik). (3) Efektivitas E-LKPD berbasis etnomatematika kain tenun endek tretres, tumpal, dan jumputan melalui hasil uji-t diperoleh $t_{hitung} = 22,439$ dan $t_{tabel} = 1,7033$ yang artinya $t_{hitung} > t_{tabel}$, maka H_0 ditolak dan H_1 diterima. Berdasarkan hasil penelitian, maka disimpulkan bahwa pengembangan E-LKPD berbasis etnomatematika berbasis etnomatematika kain tenun endek tretres, tumpal, dan jumputan layak dan efektif digunakan pada siswa kelas IV SD No 1 Kutuh.

Kata Kunci: Pengembangan, E-LKPD, Etnomatematika, Bangun Datar

**DEVELOPMENT OF E-LKPD BASED ON ETHNOMATHEMATICS OF
ENDEK TRETES, TUMPAL, AND JUMPUTAN WOVEN FABRICS IN
MATHEMATICS CONTENT OF PLANE SHAPES IN GRADE IV OF SD NO
1 KUTUH IN THE 2024/2025 ACADEMIC YEAR**

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ABSTRACT

This study aims to (1) describe the design of E-LKPD based on ethnomathematics of endek tretes, tumpal, and jumputan woven fabrics, (2) determine the feasibility of E-LKPD based on ethnomathematics of endek tretes, tumpal, and jumputan woven fabrics, and (3) determine the effectiveness of E-LKPD based on ethnomathematics of endek tretes, tumpal, and jumputan woven fabrics. This study uses the ADDIE development model. Data collection techniques were conducted using interviews, observations, questionnaires, and tests. The research data analysis used quantitative, qualitative descriptive analysis, and inferential statistical analysis. The results of this study were (1) E-LKPD based on ethnomathematics of woven endek tretes, tumpal, and jumputan fabrics in mathematics content developed using the Liveworksheet website containing interesting and relevant materials and practice questions to improve students' understanding of flat shape material. (2) The feasibility of E-LKPD based on ethnomathematics of woven endek tretes, tumpal, and jumputan fabrics was obtained through the results of the content/learning material test with a percentage of 90.90% (very good), instructional design expert test with a percentage of 91.67% (very good), learning media expert test with a percentage of 92.19%, individual test with a percentage of 96.20% (very good), and small group test with a percentage of 97.21% (very good). (3) The effectiveness of E-LKPD based on ethnomathematics of woven endek tretes, tumpal, and jumputan fabrics through the t-test results obtained $t_{count} = 22.439$ and $t_{table} = 1.7033$ which means $t_{count} > t_{table}$, then H_0 is rejected and H_1 is accepted. Based on the results of the study, it is concluded that the development of E-LKPD based on ethnomathematics based on ethnomathematics of woven endek tretes, tumpal, and jumputan fabrics is feasible and effective for use in grade IV students of SD No. 1 Kutuh.

Keywords: Development, E-LKPD, Ethnomathematics, Planar Figures