

ABSTRAK**PENGEMBANGAN BUKU PANDUAN GURU MATERI BANGUN DATAR BERBASIS
ETNOMATEMATIKA MENGGUNAKAN BATIK *MBAKO* TEMANGGUNG**

Fransisca Valen Agresia

Universitas Sanata Dharma

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Penelitian ini merupakan jenis penelitian dan pengembangan (R&D). Tujuan dari penelitian ini untuk mengembangkan buku panduan guru materi bangun datar menggunakan batik *mbako* Temanggung. Analisis kebutuhan dalam penelitian 3 guru dari berbagai daerah dan validasi melibatkan 3 validator. Pengumpulan data dalam penelitian ini menggunakan wawancara dan kuesioner.

Hasil penelitian ini menunjukkan bahwa: 1) prosedur penelitian dan pengembangan buku panduan guru materi bangun datar berbasis etnomatematika menggunakan batik *mbako* Temanggung dikembangkan berdasarkan langkah-langkah ADDIE, yaitu *Analyze, Design, Develop, Implement, dan Evaluate*. 2) kualitas buku panduan guru materi bangun datar berbasis etnomatematika menggunakan batik *mbako* Temanggung berdasarkan hasil validasi 1 ahli matematika, 1 ahli budaya, dan 1 guru kelas IV SD, dengan skala 1-4 rerata seluruh skor sebesar 3,52 yang tergolong “Sangat Baik” dan memenuhi kriteria buku panduan berkualitas menurut Puskurbuk (2018: 9-24) dan memenuhi kriteria penyusunan perencanaan pembelajaran menurut Sanjaya (dalam Ananda, 2019: 20).

Kata kunci: Buku panduan guru, etnomatematika, batik *mbako* Temanggung.

ABSTRACT**THE DEVELOPMENT OF A TEACHER'S MANUAL FOR TWO DIMENSIONAL OBJECT
BASED ON ETHNOMATEMATICS USED BATIK MBAKO OF TEMANGGUNG**

Fransisca Valen Agresia

Sanata Dharma University

2021

This research was type of research and development (R&D). The purpose of this study was to develop a teacher's guide book in materials used batik mbako of Temanggung. The needs analysis in this study involved three teachers from various regions and the validation involved three validators. Collecting data in this study was used interview and questionnaire.

The results of this study indicated that: 1) the procedure for research and development of teacher manuals in materials based on ethnomathematics used batik mbako of Temanggung was developed based on ADDIE steps, namely Analyze, Design, Develop, Implement, and Evaluate. 2) the quality of the teacher's guidebook in learning mathematics two-dimensional figure material based on ethnomathematics used batik mbako of Temanggung for grade four Elementary School. Based on the validation results of one mathematician, one cultural expert, and one teacher of grade four Elementary School. The mean of all scores were 3.52 (1-4 scale) which was classified as "Very Good" with the criteria for a quality guidebook according to Puskurbuk (2018: 9-24) and the criteria for preparing lesson plans according to Sanjaya (in Ananda, 2019: 20) .

Key words: *Teacher's manual, ethnomathematics, batik mbako Temanggung.*