

ABSTRAK

Sermyla Victorita Saetban. 2023. *Eksplorasi Etnomatematika Terhadap Kain Tenun Suku Dawan (Amanuban)–Timor Tengah Selatan, Nusa Tenggara Timur Dan Penggunaannya Dalam Pembelajaran Matematika Di Sekolah*. Tesis. Program Studi Magister Pendidikan Matematika. Jurusan Pendidikan Dan Ilmu Pengetahuan Alam. Fakultas Keguruan Dan Ilmu Pendidikan. Universitas Sanata Dharma Yogyakarta.

Penelitian ini bertujuan untuk 1) mendeskripsikan kain tenun suku Dawan (Amanuban); 2) mengetahui filosofi, makna kain tenun bagi perempuan suku Dawan (Amanuban); 3) mengetahui proses pembuatan dan pemasaran kain tenun suku Dawan (Amanuban); 4) mengetahui aspek-aspek fundamental matematis menurut *Bishop* yang terdapat pada proses pembuatan kain tenun suku Dawan (Amanuban); 5) pemanfaatan penggunaan aspek–aspek matematis pada kain tenun suku Dawan (Amanuban). Penelitian ini dilaksanakan pada bulan agustus 2021-maret 2022 di desa Sei, kec. Kolbano, Timor Tengah Selatan, Nusa Tenggara Timur.

Jenis penelitian ini merupakan deskriptif kualitatif. Subjek dalam penelitian ini adalah 2 orang tokoh masyarakat dan 1 orang penenun. Objek penelitian ini adalah kebudayaan pada masyarakat suku Dawan (Amanuban), TTS, dalam bentuk kain tenun dan kaitannya dengan aktivitas matematis yang terdapat dalam pembuatan kain tenun suku Dawan (Amabuban). Data diperoleh dari hasil wawancara dan observasi dengan narasumber tokoh masyarakat dan penenun.

Data observasi dan wawancara berupa hasil analisis proses pembuatan tenun suku Dawan (Amanuban), proses pemasaran, makna dan filosofi tenunan bagi masyarakat suku Dawan (Amanuban), aspek-aspek fundamental matematis menurut *Bishop* serta manfaatnya dalam pembelajaran matematika sekolah. Setelah itu hasil analisis tersebut dikaji aspek-aspek matematisnya menurut Alan J. Bishop (1988). Aspek-aspek matematis yang diketahui terdapat pada kain tenun suku Dawan (Amanuban) yaitu: *Counting, measuring, locating, explaining, playing*. Dari banyaknya aspek-aspek matematis tersebut didapati materi matematika, seperti pencerminan, segitiga, dan jajargenjang

Kata kunci : Etnomatematika, Kain tenun suku Dawan (Amanuban), Aspek matematis.

ABSTRACT

Sermyla Victorita Saetban. 2023. Ethnomathematics Exploration of Woven Fabrics of the Dawan Tribe (Amanuban) – South Central Timor, East Nusa Tenggara and Their Use in Learning Mathematics in Schools. Thesis. Mathematics Education Masters Study Program. Department of Education and Natural Sciences. Faculty of Teacher Training and Education. Yogyakarta Sanata Dharma University.

This study aims to 1) describe the woven fabrics of the Dawan (Amanuban) tribe; 2) knowing the philosophy, the meaning of woven cloth for women of the Dawan (Amanuban) tribe; 3) knowing the process of making and marketing the woven fabric of the Dawan (Amanuban) tribe; 4) knowing the fundamental mathematical aspects according to Bishop which are contained in the process of making Dawan (Amanuban) woven cloth; 5) utilizing the use of mathematical aspects in Dawan (Amanuban) woven cloth. This research was conducted in August 2021-March 2022 in Sei village, sub-district. Kolbano, South Central Timor, East Nusa Tenggara.

This type of research is descriptive qualitative. The subjects in this study were 2 community leaders and 1 weaver. The object of this research is the culture of the Dawan (Amanuban) people, TTS, in the form of woven cloth and its relation to the mathematical activity involved in making Dawan (Amabuban) woven cloth. The data were obtained from interviews and observations with community leaders and weavers.

Observational and interview data are in the form of an analysis of the process of making Dawan (Amanuban) weaving, the marketing process, the meaning and philosophy of weaving for the Dawan (Amanuban) people, mathematical fundamental aspects according to Bishop and its benefits in learning school mathematics. After that the results of the analysis were examined for its mathematical aspects according to Alan J. Bishop (1988). The known mathematical aspects of the woven fabric of the Dawan (Amanuban) tribe are: counting, measuring, locating, explaining, playing. From the many mathematical aspects, it is found that mathematical material, such as reflections, triangles, and parallelograms

Keywords : *Ethnomatematics, Woven fabric of the Dawan (Amanuban) tribe, Mathematical aspects.*