ABSTRAK

Theresia Nata Ekwandani. 2021. Kajian Etnomatematika terhadap Rumah Tradisional Lampung Masyarakat Pepadun dan Implementasinya dalam Pembelajaran Matematika Topik Geometri. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma. Yogyakarta.

Penelitian ini bertujuan untuk (1) mengetahui aktivitas fundamental matematika dan filosofi yang terkandung dalam rumah tradisional Lampung masyarakat Pepadun, (2) mengetahui konsep matematika yang dapat ditemukan pada rumah tradisional Lampung masyarakat Pepadun, (3) dan mengetahui implementasi konsep matematika pada rumah tradisional Lampung masyarakat Pepadun dalam pembelajaran matematika.

Jenis penelitian yang digunakan pada penelitian ini adalah penelitian kualitatif dengan pendekatan etnografi. Objek dalam penelitian ini adalah rumah tradisional Lampung masyarakat Pepadun. Subjek dalam penelitian ini adalah masyarakat Pepadun di Lampung dan pamong budaya madya Museum Negeri Lampung. Teknik pengumpulan data dilakukan dengan wawancara, observasi lapangan, dan dokumentasi. Instrumen penelitian yang digunakan yakni peneliti sebagai instrumen utama, pedoman wawancara, serta lembar observasi dan dokumentasi. Data yang diperoleh dianalisis dengan tiga tahap yakni reduksi data, penampilan data, dan penarikan kesimpulan.

Hasil penelitian menunjukkan bahwa (1) aktivitas fundamental matematika yang ditemukan yaitu *counting, measuring, locating, designing, playing,* dan *explaining* serta filosofi yang terkandung berupa tiga bagian utama rumah, urutan pembangunan rumah, aturan-aturan, dan kekhasan rumah tradisional Lampung masyarakat Pepadun; (2) konsep matematika yang ditemukan meliputi: mengurutkan bilangan, himpunan, perbandingan, garis dan sudut, segiempat dan segitiga, kesebangunan dan kekongruenan dua bangun datar, pola bilangan, teorema Pythagoras, bangun ruang sisi datar, dan transformasi geometri, serta (3) implementasi dalam pembelajaran matematika berupa pemetaan Kompetensi Dasar (KD) kelas VII ditemukan enam KD, kelas VIII ditemukan tiga KD, kelas IX ditemukan tiga KD, dan Rancangan Pelaksanaan

Pembelajaran (RPP) dan Lembar Kerja Peserta Didik (LKPD) materi pokok Bangun Ruang Sisi Datar kelas VIII tingkat SMP.

Kata kunci: Aktivitas Fundamental Matematika, Rumah Tradisional Lampung, Bangun Ruang Sisi Datar, Pembelajaran Matematika SMP

ABSTRACT

Theresia Nata Ekwandani. 2021. Ethnomathematics Study in relation to The Traditional Lampung House of Pepadun Society and Their Implementation in Mathematics Learning on Geometry Topic. Undergraduate Thesis. Mathematics Education Study Program, Department of Mathematics and Science Education, Faculty of Teacher Training and Education, Sanata Dharma University. Yogyakarta.

The aims of this research were (1) to investigate the fundamental mathematics activities and philosophical in the traditional Lampung house of the Pepadun society, (2) to investigate mathematics concepts in the traditional Lampung house of Pepadun society, and (3) to investigate implementation in the traditional Lampung house of Pepadun society in mathematics learning.

The study used qualitative method with ethnographic approach. The object of this research was the traditional Lampung house of Pepadun society. The subjects in this research were the people of Pepadun in Lampung and the culture experts of the Lampung State Museum. Data collection techniques were carried out by interviews, field observations, and documentation. The research instruments used were the researcher as the main instrument, interview guide, along with observation and documentation sheets. The data obtained were analyzed in three stages, namely data reduction, data display, and taking conclusions.

The results showed that (1) the fundamental mathematics activities were counting, measuring, locating, designing, playing, and explaining as well as philosophy meaning contained in the form of three main parts of the house, the order of house construction, the rules, and the specialty of Lampung traditional house of Pepadun society; (2) mathematics concepts found which include: sorting numbers, sets, proportions, lines and angles, rectangles and triangles, similarity and congruence of two plane figure, number patterns, Pythagorean theorem, polyhedron, and also transformations, as well as (3) implementation in mathematics learning in the form of mapping Basic Competencies (KD) with the results of six KD found in class VII, three KD found in class VIII, three KD found in class IX, along with Learning Implementation Design (RPP) and

Student Worksheet (LKPD) on the subject matter of polyhedron on grade VIII junior high school level.