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### Exploration Geometry Transformation from Samarinda Sarong

**Nur Fathailah Pajrin, Haeruddin, Sugeng**

Mulawarman University, Indonesia

[n.fatha.pajrin@gmail.com](mailto:n.fatha.pajrin@gmail.com)

#### Abstract

Samarinda sarong is a masterpiece or typical craft of Samarinda and has become an icon of this city. This culture should be able to give attention to the people of Samarinda, because education based on local wisdom can grow the love of students to preserve the culture in where they live. The purpose of this study was to find out various transformation geometric concepts that found from the Samarinda sarong motif in the Weaving affairs village. The research method used a qualitative research with an ethnographic approach. The research was conducted at Cahaya Samarinda production in RT. 07 Weaving Village with the research subject Samarinda sarong and the object of research was the transformation geometric concept in sarong motif made. Research data were collected using documentation techniques. Data analysis was carried out by reducing, presenting, making conclusions, and then presenting in detail by linking supporting theories. Based on the result of the exploration, transformation geometric concepts were found, such us translation, reflection, rotation, dilatation and some compositions that was happened.

**Keyword:** *Samarinda Sarong, Ethno Mathematic, Transformation Geometry Concept.*

