

KENDARI GOLD RING DESIGN USING 3D FRACTAL

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ABSTRACT

One of the famous gold ring designs and motifs in Indonesia is the golden ring of the city of Kendari. The motif of Kendari gold ring is organized and patterned. Kendari gold ring motifs are diverse, but the design is less varied so that seems monotonous. Therefore, we need more designs and motifs unique, exciting, and high value. By using the 3D fractal expected to produce gold ring designs varied and unique. The process contained in the design of this gold ring includes three things: (a) create a pattern, which makes the basic pattern. (b) Translation, where the pixel coordinates of points on a coordinate pattern will be placed at appropriate algorithm, (c) rotation, where the points are laid out before then rotated according to the algorithm offered. The method will produce 340 gold ring designs by combining direction up (U), down (D), left (L), and right (R). The method is implemented using C programming and OpenGL.

KEYWORDS: Kendari Gold Ring, 3D Fractal, OpenGL