Contemporary Jewelry Design Inspired by Gothic Rose Windows and Nan Province Textile Patterns

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Abstract

The “rose window” is a significant architectural element that reflects the identity of the Gothic era, one of the most remarkable periods in the history of art. This motif is characterized by a circular window divided into radiating spokes extending from the center. In this study, the rose window motif was combined with three famous textile patterns from Nan Province: the “Luang” or “Koh” pattern, the “Keb Mook” (pearl-tuck) pattern, and the “Kad Kan” or “Mud Kan” pattern. These elements were integrated to create contemporary jewelry designs in the form of pendants and keychain charms. This approach aims to promote and introduce traditional textile patterns into everyday life, rather than limiting their use to traditional garments worn on special occasions. By combining these textile motifs with the Gothic rose window, the designs become immediately recognizable, while the intricate details encourage deeper appreciation and discovery. Each jewelry set was designed using RhinoGold software to generate 3D models. The designs were produced using enamel combined with silver or gold metal to highlight the elaborate patterns. The completed designs were evaluated through an online survey to measure user satisfaction. The comparative results of user preferences provide a foundation for developing jewelry products that align with market demands, thereby increasing product value and commercial potential.

Introduction

Contemporary jewelry design plays an important role in jewelry production as it reflects current lifestyles and promotes creativity and innovation. This study explores the combination of motifs from renowned Gothic rose windows and heritage textiles from Nan Province to create a set of keychain pendants using RhinoGold software. The designs were evaluated through online questionnaires to determine the most favorable piece. This fusion of Western and Asian artistic traditions appeals to modern audiences interested in alternative art forms that can be worn, collected, or purchased as souvenirs, while also contributing to the preservation of local cultural identity.

Methodology

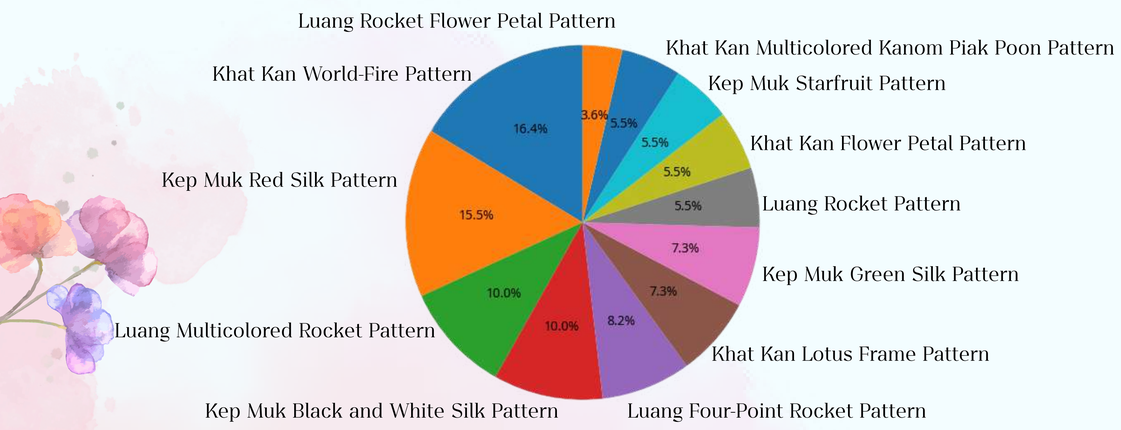
1. Study the artistic characteristics of Gothic rose window architecture.
2. Study 3 traditional Nan Province Northern Thai textile (sin) patterns, namely Luang (or Koh) pattern, Kep Muk pattern, and Khad Kan pattern.
3. Study the detailed operation and application of RhinoGold 6.5.
4. Design contemporary jewelry in the form of keychain pendants inspired by Gothic rose window architecture combined with Nan Northern Thai Textile Patterns, using RhinoGold 6.5.
5. Design a questionnaire and conduct an online surveys
6. Summarize the research findings and write the research report.

Result

1.The top three most favorite design were
   1. Khat Kan + World-Fire Pattern (16.4%)
   2. Kep Muk Red Silk Pattern (15.45%)
   3. Luang Multicolored Rocket Pattern and Kep Muk Black and White Silk pattern (10%)

2.Harmonious was the main factor for the selection of the designed patterns (58.2%), followed by "contemporariness & modern (56.4%), and beauty & exquisite (53.6%)

3. 65.1% of respondents agreed that the integration of Gothic rose window motifs with Nan Province textile patterns can increase the product value of contemporary keychain jewelry



Design By RhinoGold Program

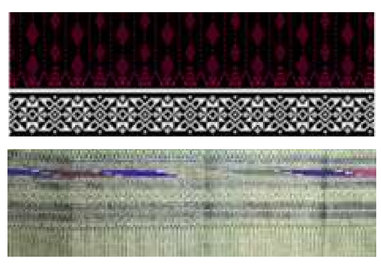
Gothic Rose Windows + Nan Province Textile Patterns

Scan to take the survey

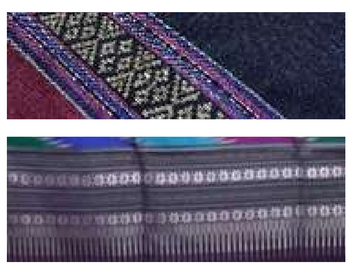
Nan Province Textile Patterns



Luang Pattern (ลายล้วง)

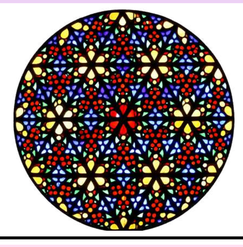
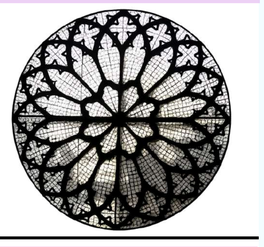


(Kep Muk Pattern) เก็บมุก



Khat Kan Pattern (ลายคาดก่าน)

4 Unique Characteristics of Gothic Rose Windows Patterns

Paris	Mallorca	Sens	Amiens
			
With Luang Pattern (ลายล้วง)	With Luang Pattern (ลายล้วง)	With Luang Pattern (ลายล้วง)	With Luang Pattern (ลายล้วง)
 Luang Rocket Pattern	 Luang Four-Point Rocket Pattern	 Luang Rocket Flower Petal Pattern	 Luang Multicolored Rocket Pattern
With Kep Muk Pattern (ลายเก็บมุก)	With Kep Muk Pattern (ลายเก็บมุก)	With Kep Muk Pattern (ลายเก็บมุก)	With Kep Muk Pattern (ลายเก็บมุก)
 Kep Muk Black and White Silk Pattern	 Kep Muk Green Silk Pattern	 Kep Muk Starfruit Pattern	 Kep Muk Red Silk Pattern
With Khat Kan Pattern (ลายคาดก่าน)	With Khat Kan Pattern (ลายคาดก่าน)	With Khat Kan Pattern (ลายคาดก่าน)	With Khat Kan Pattern (ลายคาดก่าน)
 Khat Kan Flower Petal Pattern	 Khat Kan Multicolored Kanom Piak Poon Pattern	 Khat Kan World-Fire Pattern	 Khat Kan Lotus Frame Pattern

Conclusion

The most preferred design was the Khat Kan World-Fire pattern, which combines Gothic rose window architecture with Nan Province textile patterns. Respondents selected this design due to the harmonious integration between the rose window structure and the sin pattern. The results also indicate that this design approach can enhance the product and artistic value of contemporary keychain jewelry.

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