

Digital Printing with Malay Ornaments with Tallow Gourd Floral Motifs, Jasmine Flower Motifs and Woodland Flower Motifs

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ABSTRACT

The themes of conventional Malay adornments typically come from normal themes, to be specific from verdure, fauna, and different materials. Individuals are beginning to focus on culture again by making items with new themes that smell of customary nationality and utilizing advanced printing methods. Furthermore, what has not been investigated further into advanced printing is the fat gourd botanical Motif, the Jasmine blossom and the Forest Flower theme. There are 3 points of this review, to be specific: To handle the Malay adornment information with the fat gourd botanical themes, the Jasmine bloom themes and the forest blossom themes into new developments of the fat gourd botanical example, the Jasmine bloom design and the forest blossom themes to contemporary themes, To apply the theme to sheet changes. Prepared to-wear clothing materials produced using an advanced printing process. The strategy in this review includes 3 factors, specifically: Malay theme trimmings, shadings and plan components of theme decorations. The examination plan in a few phases: plan investigation, design board, investigation, plan to make style items. The aftereffects of the new theme applied to a style item plan. The plan of these style items applied to digital printing methods, which are current computerized strategies that can print advanced outcomes the themes completed. It's applied to some prepared to-wear apparel, for example, T-shirts.

Keywords:

Digital Printing, Tallow Gourd Floral, Jasmine Flower Motifs, Woodland Flower Motifs

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1. INTRODUCTION

Conventional design encapsulates a house and its current circumstance, whose engineering, structure, capacity, beautification, and assembling attributes down from one age to another which keeps going like a spot for human exercises. Adornments and Motifs [1]. The crucial theme comes from conventional Malay figures, which by and large start from nature, in particular the beginnings of verdure, fauna, and different bodies. The tied articles will later be changed into specific structures, devotion to have confidence in their unique structure like blossoms, or portions of the shape that so they presently don't show their unique style, however just utilize their names like ducks returning home in the evening, meliwis a gathering of companions, subterranean insects and wasps while the models of Manistee Flower, Clove, and Jasmine [2]. Customary Malay engineering [3], Influence of Islam in Malay Architecture [4], Acculturation of European Culture at Maimoon Palace [5], The structural style of Maimun Palace makes the castle has incredible potential utilized as a vacation spot for workmanship, plan, and design [6], Maimun Palace is a castle that is a symbol of the pride of individuals of Medan [7], a social legacy building Medan [8], North Sumatran elaborate themes have added to the design world today [9].

The public authority's endeavors to present and keep the authentic legacy of Malay culture, particularly the Maimun Palace building is as yet not great, on the grounds that there are still a few components of Malay culture in the Maimun Palace constructing that handled and acquainted with the public [10]. In any case, with innovation and period, all that smells customary is beginning deserted on the grounds that it isn't in line and the more youthful age shows their lack of engagement in all that smells conventional. In any case, there were developments, for example, back to nature which made individuals begin focusing on what culture the Indonesian public had and what they needed to battle for. For instance, making an item with another theme that scents of conventional nationality and utilizing computerized printing methods [11].



The explanation of the adequacy of advanced printing fabricating endeavors holds likenesses to client inclinations, so the issue in driving clients to pick computerized printing, for example, printing strategies prior to chipping away at their request bundles [12]. In certain spaces, even T-shirts utilizing specific realistic pieces have made amazing thoughts, for example, Yogyakarta wearing Dagadu T-shirts and Bali wearing Jogger T-shirts [13].

As of not long ago, just exploration about Maimun castle decorations like Processing Motifs from Malay Ornaments, clove blossoms and mangosteen blossoms [10]. Large numbers of these Malay enhancements are found at the Maimoon Palace, yet it is significantly more overstated that individuals who visit the Maimoon Palace don't comprehend the subject of this Malay embellishment. Individuals who visited just comprehended that the Malay enhancements were very much like adornments on the Maimoon Palace building. Notwithstanding the Malay trimmings ordinarily utilized in Maimoon Palace, there are different adornments [14]. So it takes research identified with other Malay themes at the Maimoon Palace, it takes an alternate handling procedure from the past themes, advancements in theme plan. Also, what has not been investigated further into advanced printing. Issue Formulation: How to handle Malay designs with fat gourd floral, Jasmine bloom motifs, woodland blossom themes, How to improve new themes and How to apply themes to change of prepared to-wear clothing material sheets utilizing advanced methods printing

2. RESEARCH METHODOLOGY

2.1 Data Collection and Data Analysis Techniques

The method used in this study uses qualitative methods, including experiments, observations, interviews and literature studies..

1. Observations and interviews as methods to collect valid data about Malay Motif Ornaments. Observations and interviews directly at the Maimun Palace to meet people who lived in the Maimun Palace environment.
2. Literature study is data obtained from books and scientific journals and then used as observations to analyze the philosophy and shape of the ornaments contained in the Malay motif ornaments before later these ornaments with Digital Imaging Techniques.
3. In addition to reviewing the literature, observations found points from the benchmarks used by this branch of research. Experiments by processing digital images of tallow gourd floral, Jasmine flower motifs, woodland flower motifs into various variations of motif innovations.

2.2 Variabel

Table 1. Variable and Methodology

variable	Sub variable	Data required	Methodology
Malay motif ornament	<ul style="list-style-type: none"> • Tallow Gourd Floral, • Jasmine Flower Motifs. • Woodland Flower Motifs 	Make observations to the Maimun palace building to see the application of the types of motifs	Research with qualitative methods with direct observation and taking pictures / photos. Then applied with supporting theory
Color on ornament	<ul style="list-style-type: none"> • Green, • Yellow, • White; • Golden, • Blue, • Black 	Make observations to the Maimun palace building to see the application of color to ornaments and motifs	Research with qualitative methods with direct observation and taking pictures / photos. Then applied with supporting theory
Design elements in ornaments	<ul style="list-style-type: none"> • Line, • Field, • Texture • Size 	Make observations to the Maimun palace building to see the application of design elements	Research with qualitative methods with direct observation and taking pictures / photos. Then applied with supporting theory

3. RESEARCH RESULT

3.1 Tallow Gourd Floral Motif Exploration

From exploration of tallow gourd floral Motifs in Maimun palace and exploration of natural motifs as well. Exploration of motifs that already have Intellectual Property then the tallow gourd floral motif is produced in Figure 1.

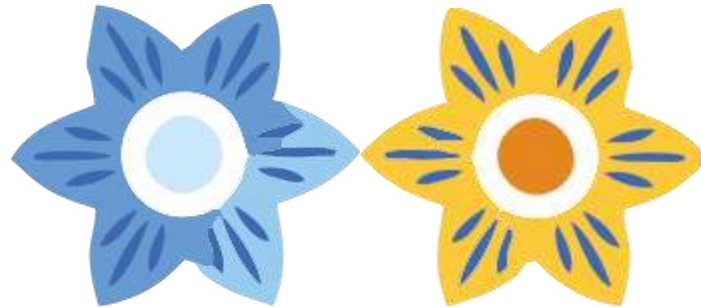


Figure 1. Tallow Gourd Floral Variation

3.2 Exploration Of Jasmine Flower Motifs

By using the Adobe Photoshop, Adobe Illustrator and Corel Draw applications, new motifs are designed. From the exploration of floral motifs in the Maimun palace and exploration of natural motifs and exploration of motifs that already have Intellectual Property, the Melur flower motif is shown in Figure 2.

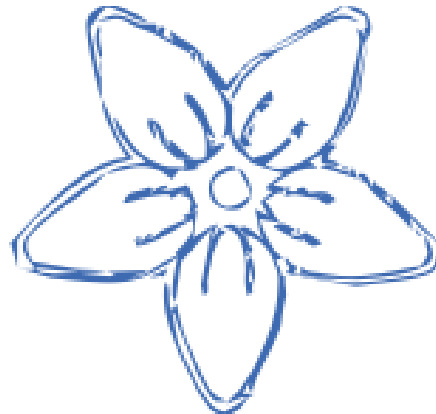


Figure 2. Jasmine Flower Motifs Variation

3.3 Woodland Flower Motifs Exploration

From the exploration of floral motifs in the Maimun palace and exploration of natural motifs and exploration of motifs that already have Intellectual Property, the resulting forest flower motif is Figure 3.



Figure 3. Woodland Flower Motifs Variation

3.4 Thought Process Innovation/Contemporary Motive

As indicated by Brewster's hypothesis, colors into 4, to be specific essential, optional, tertiary and unbiased. Essential tones are fundamental tones, like blue, yellow, red. Auxiliary tones are a combination of essential tones. For instance, orange, green and purple. Tertiary tones are a combination of one of the essential and optional shadings, like brown. While the nonpartisan tone is a combination of the three sorts of tones above. like dark. Shading Table and Their Meaning:

1. Red Color Courage, Strength, Energy, Passion, Lust and Adrenaline
2. The Color Green is Fertility, Freshness, Peace and Balance
3. Orange Color Warmth, Comfort, Joy
4. Yellow is Cheerful, Happy, Energetic and Optimistic
5. Blue Color Stable, Intelligence, Confidence
6. Purple Color Familiarity and Security
7. The Black Color is Empty, Sorrowful and Mysterious
8. Unadulterated White, Holy, Light and Freedom
9. Earthy colored Color Familiarity and Security
10. Remains of Seriousness, Stability, Independence and Responsibility
11. The Gold Color of Achievement, Success, Luxury, Victory and Prosperity
12. Tosca Calm and Patience
13. Red Color Physical, Mental, Spiritual and Emotional Balance

With regards to marking, the force of shading is both enthusiastic and down to earth. [15], [16], [17] [18] On an enthusiastic level, shading can impact how purchasers feel when they see a brand, while reasonably speaking, shading can help a brand captivate everyone. A few investigations on the connection among shading and marking (here, here, and here) recommend that 90% of decisions made with regards to items on shading, where shading impacts how purchasers see the 'character' of the brand being referred to, and the connection among brands and brands. colors that appropriate for specific brands.

3.5 Design and Visualization Sketch

The results of Contemporary motifs / motifs from 3 motifs: Exploration of floral motifs in the Maimun palace and Exploration of natural motifs and exploration of motifs that already have Intellectual Property, the selected motifs in Figure 4 and Figure 5 show the image of the Implementation of the tallow gourd floral, Jasmine flower motifs Yellow background and Green.



Figure 4. Visual Jasmine Flower Motifs with Blue and Yellow Tallow Gourd Floral Crown

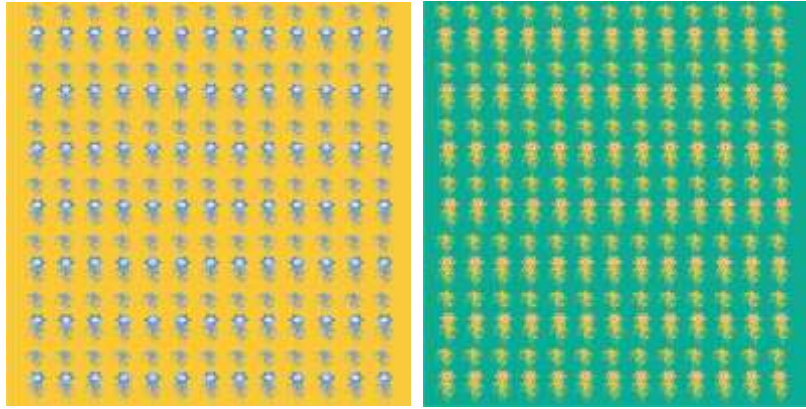


Figure 5. Implementation of Jasmine Flowers with Yellow and Green Background Tallow Gourd Flower Crown

Figures 6 and 7 show the visualization of motifs on retro clothes and couple clothes.



Figure 6. Visual of the “Jasmine Flower Motifs Crown Tallow Gourd” Motif on Retro Clothes

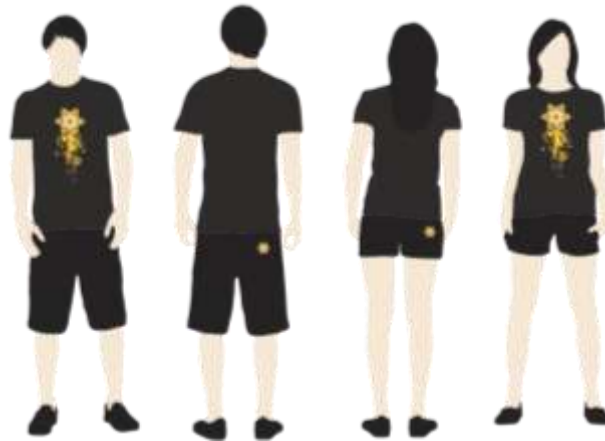


Figure 7. Tshit Couple Floral Motif Jasmine Flower Crown tallow

From the subsequent advancement, it can later be carried out into Malay Batik fat gourd botanical, Jasmine blossom themes. forest blossom themes to deliver remarkable, innovative shirt plans that can give an upper hand amidst the numerous current and future creations of shirt plans. Add more shifted shirt plans. Truth be told, the plan of T-shirts in Medan keeps on developing, yet these improvements are not joined by new advancements, for example, raising the run of the mill Medan batik theme, the truth tends dependent on purchaser interest. Furthermore, existing shirt plans are infrequently enrolled with licensed innovation freedoms, this can prompt copyright infringement. Accordingly, it is important to enroll copyright so the law utilized as the reason

for the work. prepared to-wear style items with the principle foundation handling strategies as computerized printing[19], Muslim fashion [20].

Increment the monetary worth of computerized printing business people. with the Printing Method of Digital-based Images, which are generally as records, then, at that point, straightforwardly imprinted on different media in a moment and quick way. Computerized Printing is the consequence of ordinary printing techniques, which arose alongside world innovation that has entered the advanced period. advanced printing style plan[21][22][23][24][25][26][27], Focus on business processes [28]

By and large Digital Printing has a higher creation cost for each unit than more customary printing techniques like Offset Printing, Screen Printing. Nonetheless, this Digital Printing Technique enjoys benefits that are not claimed by the Offset and Screen Printing Methods, in particular that it needn't bother with a Pre-Print Process like Film Making, Printing Plate (Offset), Afdruk (screen printing). Since the interaction that advanced printing goes through is more brief, making computerized printing all the more broadly utilized for limited scope print work. Printing with an exceptionally quick and Instant time. With the T-shirt plan with batik themes which just as being novel, inventive, creative, differed, speculation results and as of now enrolled and protected, it can expand the monetary pay of industry players and screen printing business people just as computerized printing and the more extensive local area overall.

From the examination in the field, it is important to make inventive strides that are quantifiable, coordinated, productive and zeroed in, to be specific augmenting the capability of abilities in investigating the capability of the local area which incorporates crafters, business people and specialists to make the right developments by making shirt plans from imaginative batik themes both from plan and plan angles. This examination as well as creating novel, expressive, phenomenal shirt plan items and has a high imaginative worth according to the viewpoint of tasteful angles and utilitarian perspectives.

Computerized printing shirts to help crafters or little and medium organizations, in particular advanced printing business people, in creating shirt plan creation and copyright insurance so that assuming there are different business visionaries who will deliver shirt plans, they will apply for a let so the understanding is beneficial.

4. CONCLUSION

After the information , handled and examined, then, at that point, some examination ends as follows:

1. Different types of trimmings are found in the Malay structure, the Maimoon Palace, Medan, which is predominant in yellow and green, other than that there are additionally red, pink, blue, white, brown and brilliant shadings. The themes that are regularly utilized are kinds of plants or gatherings of blossoms.
2. The themes of fat gourd Flowers, Jasmine Flowers, Forest Flowers are important for the themes in the Maimun Palace building which have been effectively redeveloped by reviving the themes to simplify them and afterward breaking down them in a more inventive presentation of themes that applied to material media.
3. Blending fat gourd Flower Motifs, Jasmine Flowers, Forest Flowers into contemporary themes with new development themes with the theme name "Jasmine Flowers fat gourd crown". The utilization of advanced printing, weaving, cutting, and layering methods is an ally of this theme development in an advanced look.
4. The new theme of Melur Bunga Kundur Mahkota Bunga applied to a style item plan. The plan of these design results of a few methods. Computerized printing method is a cutting edge advanced procedure that can print advanced outcomes from the themes did. Weaving applications on the theme to of surface and extravagance to the texture with the utilization of gold string. While slicing and layering procedures to impact to the texture. Formal design items are truly appropriate in light of the fact that they give the item a more lavish impression. This theme is truly appropriate applied to some prepared to-wear attire, for example, T-shirts

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REFERENCES (10 PT)

- [1] M. D. Oktaria Y., "Pengolahan Motif Pada Buya Bomba Dengan Teknik Digital Printing," *J. ATRAT*, vol. V6, no. 1983, 2018.
- [2] S. T. Sumanti and T. Batubara, *Dinamika Sejarah Kesultanan Melayu di Sumatera Utara: Menelusuri Jejak Masjid Kesultanan Serdang*, Cetakan Pe. Yogyakarta: Atap Buku, 2019.
- [3] M. Dewi, Hafni. Nurhayati. Aris, "Kajian lanskap budaya identitas kota medan," *J. Lanskap Indones.*, vol. 10, no. 2, pp. 71–80, 2018.

- [4] O. Z. Angkasa, "Arsitektur Melayu Berbasis Islam dan Relevansinya dalam Desain Gedung UIN Raden Fatah Palembang . Makalah yang disampaikan dalam Seminar ‘ Penerapan Arsitektur Melayu Islam pada Perencanaan Kampus B UIN Raden Fatah Palembang ’ pada tanggal 25 November 201," no. November, 2016.
- [5] E. Akulturasi, "Akulturasi Budaya Eropa Pada Interior Istana Maimoon Medan," *J. Proporsi*, pp. 1–15, 2015.
- [6] P. Kurniawati, "Perpaduan antara Tradisi Islam dan Kebudayaan Eropa pada Arsitektur Istana Maimun," in *Prosiding Seminar Heritage IPLBI 2017*, 2017, pp. A469–A472.
- [7] N. E. Sianturi, "Analisis desain langit- langit istana maimun," *J. Proporsi*, vol. 1, no. 2, pp. 215–223, 2016.
- [8] L. R. Lumban-Tobing, "Identifikasi Gaya Pilar Dan Pelengkung Istana Maimun," *Berk. Arkeol. Sangkhakala*, vol. 22, no. 1, p. 32, 2020.
- [9] D. Saragi, "Pengembangan Tekstil Berbasis Motif dan Nilai Filosofis Ornamen Tradisional Sumatra Utara," *Panggung*, vol. 28, no. 2, 2018.
- [10] R. U. Adawiyah, "Pengolahan Motif Dari Ornamen melayu bunga cengkih dan bunga manggis," in *e- Proceeding of Art & Design*, 2017, vol. 4, no. 3, pp. 255–265.
- [11] R. P. Olivia Christine Angelina, "Eksplorasi Dan Aplikasi Ragam Hias Batak Dengan Teknik Digital Printing," Bandung Institute of Technology, 2014.
- [12] K. Saharja and R. Gobal, "Pengaruh Waktu Proses Produksi Digital Printing Terhadap Kepuasan Konsumen Pengguna Produk Cetak," *J. Sains Komput. Inform.*, vol. 5, pp. 458–469, 2021.
- [13] Supatmo, "Screen Printing Dalam Industri Grafika Pada Era Digital," *Imajin. J. Seni*, vol. 9, no. 2, pp. 105–116, 2015.
- [14] A. Kartini, "Analisis Penerapan Ornamen Bernuansa Melayu Ditinjau Dari Bentuk Dan Warna Di Kota Medan," Universitas Negeri Medan, 2014.
- [15] G. B. Adi, "Dampak penggunaan warna panas dalam upaya branding suatu produk," *Prod. J. Desain Prod. (Pengetahuan dan Peranc. Produk)*, vol. 3, no. 2, pp. 58–61, 2017.
- [16] D. M. ICE RAMAYANI and R. Trinanda, "Visual Branding Rajut Lasna," *DEKAVE J. Desain Komun. Vis.*, vol. 8, no. 2, 2018.
- [17] M. Gobe, *Emotional branding: paradigma baru untuk menghubungkan merek dengan pelanggan*. ESENSI, 2005.
- [18] A. H. Pranata, "Penerapan Warna Dalam Menciptakan Interior Branding Pada Restoran Cepat Saji Mcdonald's." Univesitas Komputer Indonesia, 2020.
- [19] A. dan R. Prasanti and Z. Rais, "Aplikasi Motif Batik Jawa Timur pada Busana Ready-To-Wear dengan Teknik Digital Printing," *J. Tingkat Sarj. Bid. Senirupa dan Desain*, 2013.
- [20] Y. Andriana, "Contemporary Management and Science Issues in the Halal Industry," *Contemp. Manag. Sci. Issues Halal Ind.*, no. May, 2019.
- [21] Z. Kazlacheva, V. Stoykova, K. Georgieva, and J. Ilieva, "Application of innovative technologies in fashion design education," in *IOP Conference Series: Materials Science and Engineering*, 2018, vol. 459, no. 1, p. 12080.
- [22] L. Sun and L. Zhao, "Envisioning the era of 3D printing: a conceptual model for the fashion industry," *Fash. Text.*, vol. 4, no. 1, pp. 1–16, 2017.
- [23] Y. F. Andriana, "Digital printing motif on Muslim fashion trend in Indonesia," in *Contemporary management and science issues in the halal industry*, Springer, 2019, pp. 263–280.
- [24] B. Z. Wang and Y. Chen, "The effect of 3D printing technology on the future fashion design and manufacturing," in *Applied Mechanics and Materials*, 2014, vol. 496, pp. 2687–2691.
- [25] P. Bertola and J. Teunissen, "Fashion 4.0. Innovating fashion industry through digital transformation," *Res. J. Text. Appar.*, 2018.
- [26] S. Park and Y. Yoo, "A case study on collaborations in 3D printing fashion," *J. Korean Soc. Costume*, vol. 66, no. 7, pp. 124–138, 2016.
- [27] A. Noris, T. H. Nobile, N. Kalbaska, and L. Cantoni, "Digital fashion: A systematic literature review. A perspective on marketing and communication," *J. Glob. Fash. Mark.*, vol. 12, no. 1, pp. 32–46, 2021.
- [28] I. Idris, Fajrillah, W. Novarika Ak, D. Hastalona, A. Syarifudin Yahya, and N. Marikena, "Designing of integrated information system (IIS) scheme for private higher education in indonesia: A strategic plan," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1003, no. 1, 2020.