

# Exploring the Socio-Economic Dynamics of Batik Giriwangi Artisans: A Study on Local Wisdom and Challenges

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## Article History

Received : 2025-03-08

Revised : 2025-03-21

Accepted : 2025-03-22

## Keywords:

batik Giriwangi; local wisdom; socio-economic; innovation; creative industry.

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## DOI:

10.0000/ECOTOUR.v1.i1.a2

## Abstract

This study examines the socioeconomic dynamics of Batik Giriwangi artisans in Kebondalem Kidul, Prambanan, focusing on how they adapt to industrial challenges while preserving traditional knowledge. This study investigates how craftspeople adjust to cultural, technical, and economic shifts using qualitative methods and a case study methodology. Participatory observations, in-depth interviews, and document analysis were used to gather data. According to the results, artisans persevere via creativity in goods and community cooperation despite obstacles in the areas of workforce regeneration, digital advertising, and growing raw material costs. This study emphasizes how crucial internet marketing tactics, vocational training, and government assistance are to bolstering the Batik Giriwangi sector.

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## Introduction

An essential component of Indonesia's cultural legacy, batik has significant aesthetic and financial significance (Febriani et al., 2023). Based in Kebondalem Kidul Village, Prambanan, Klaten, Batik Giriwangi is well-known for its unique designs and elaborate hand-drawn technique that have been handed down through the centuries. The existence of Batik Giriwangi has a big influence on the village economy in addition to showcasing the creative talent of the locals. The majority of locals work in manufacturing, marketing, and distribution of the hand-drawn batik industry, which is one of the main economic pillars of the town (Setiyartiti & Rachmawatie, 2021).

However, the Batik Giriwangi sector faces significant challenges in responding to evolving market demands and modernization pressures. Restoring the workforce is one of the greatest urgent issues. Because they believe it to be time-consuming and financially insecure, younger generations are becoming less enthusiastic in carrying on the batik-making heritage (Wang, 2019). Additionally, artists have been further affected by the increased cost of basic supplies, especially natural dyes and mori fabric (Radhakrishnan, 2014). In addition, craftsmen find it challenging when comparing with mass-produced batik as conventional marketing methods lose their effectiveness in the internet age (Poon, 2017).

Through creativity and adaptability, Batik Giriwangi craftspeople have shown perseverance in the face of these difficulties. While some have used internet channels to increase sales, several have included contemporary elements to cater to a wider clientele (Andzulis et al., 2012). Thus, this study aims to investigate the way the Batik Giriwangi group preserves their traditional identity while navigating industrial developments.

## Literature Review and Hypotheses Development

### A. Local Knowledge and the Environmental Responsibility within the Batik Industry

For traditional batik production to be sustainable, local knowledge is essential. According to Geertz (1976), the batik industry's generation-to-generation transmission of local expertise reflects the interdependence of art, culture, and economy. In addition to being a commercial product, batik is a cultural expression tool that symbolizes a community's identity (Steelyana, 2012). The transmission of batik-making skills in Batik Giriwangi traditionally occurs through parental instruction (Umi Rofiqoh & Muthmainnah, 2024). However, the younger generation's preference for alternative career paths has increasingly threatened the continuity of this tradition (Porter, 1998).

A variety of consumers, including relationships, educational institutions, and politicians, must work together to address the problem of maintaining batik as a business and cultural asset. Interest and involvement in the sector might be increased by including batik instruction into school curriculum and offering rewards to aspiring craftspeople.

### B. Economic Difficulties in the Batik Sector

Significant economic obstacles confront the batik sector, especially in light of growing manufacturing costs. Porter (1998) contends that traditional batik's competitive advantage is directly impacted by rising raw material costs, such as those of mori cloth and natural dyes. For small-scale craftspeople, restricted access to international markets also poses a major obstacle (Makhitha, 2016). Furthermore, the viability of hand-drawn batik, particularly in Giriwangi, is threatened by competition from less expensive printed and stamped batik items (Steelyana, 2012).

Diversifying their product offerings is one way that artists are addressing this issue. Many have broadened their product lines to include accessories made from batik, such scarves, purses, and contemporary clothing (Hitchcock & Nuryanti, 2016). This is in line with Porter's (1998) differentiation tactics, which holds that value-added product development can help industries gain a competitive edge.

### C. Social Media Marketing as a Batik Industry Solution

In order to overcome market constraints in the creative sector, especially hand-drawn batik, digital marketing has become an essential instrument. Santosa (2019) asserts that utilizing e-commerce platforms and social media may greatly expand business reach (Abed et al., 2015). According to a survey by Dana, Leo-Pau; Salamzadeh (2020), artists who actively use social media sites like Facebook and Instagram have better sales levels than those who just use traditional marketing.

However, a lack of marketing knowledge and low digital literacy make it difficult to implement digital marketing (Trisninawati & Sartika, 2024). The abilities required to run internet storefronts, maximize search exposure, and create successful branding strategies are sometimes lacking among Batik Giriwangi craftsmen (Porter, 1998). Therefore, in order to empower craftsmen and provide them the ability to succeed in a worldwide market, thorough online marketing instruction programs are crucial.

### D. The Government's Support for the Batik Sector

In order to maintain the traditional batik sector, government participation is essential. The designation of batik to be considered Invisible Cultural Heritage, according to Febriani et al. (2023), gives Indonesia the chance to promote its batik sector globally. Many local government initiatives, nonetheless, have not yet adequately addressed the unique requirements of batik craftspeople (Sulaiman et al., 2019).

Training programs, equipment support, and batik exhibits are examples of current projects (Wang, 2019). However, studies indicate that these initiatives are still insufficient to provide access to international markets and the acquisition of reasonably priced raw resources (Kaplan, W. A., & Laing, 2003). Policymakers must prioritize sustained economic growth for artisans, which includes

providing them with access to company finance and strategic marketing help, in order to maximize support (Porter, 1998).

### **E. Strategies for Sustainability in the Batik Giriwangi Sector**

Market access, financial incentives, and education are just a few of the many tactics needed to ensure the Batik Giriwangi industry's long-term viability. Prior studies emphasize how crucial community-led projects are to conserving batik culture (Harsanto & Permana, 2020). Artisan cooperatives that support collaborative marketing initiatives and skill-sharing seminars are successful examples (Light & Miskelly, 2019).

Furthermore, collaborations between private companies, academic institutions, and craftspeople can provide cutting-edge product designs that satisfy modern consumer demands without sacrificing cultural integrity (Porter, 1998). Incorporating batik into the tourist sector, for instance by offering guests participatory batik-making activities, might also function as a sustainable business model (Gunawan et al., 2022).

## **Research Methods**

The socioeconomic structure of Batik Giriwangi artists are thoroughly examined in this study via the use of a case study method and a qualitative research methodology. Because it enables a comprehensive knowledge of the contextual elements that influence the industry's sustainability and adaptation plans, the case study technique was used (Rashid et al., 2019; Sekaran & Bougie, 2016).

### **A. Design of Research**

The exploratory-descriptive design of this study attempts to give a thorough picture of the difficulties and coping mechanisms faced by Batik Giriwangi craftspeople. While descriptive research guarantees a thorough depiction of the artists' daily experiences, exploratory research makes it easier to identify emergent themes (Sekaran & Bougie, 2016).

### **B. Participants and the Research Site**

The investigation was carried out in Prambanan's Kebondalem Kidul Village, which is the hub for the creation of Batik Giriwangi. Those interested in the continued existence and commercialisation of Batik Giriwangi included batik craftsmen, entrepreneurs, community leaders, and legislators. Purposive sampling, a method that guarantees participants have pertinent experience and firsthand knowledge of the sector, was used to choose a total of fifteen people to participate (Sekaran & Bougie, 2016).

### **C. Techniques for Gathering Data**

In order to get thorough and reliable data, many methods of data gathering were used:

**Comprehensive Interviews:** To get a better understanding of the obstacles and coping mechanisms faced by the batik sector, semi-structured interviews were carried out with craftsmen and other stakeholders (Sekaran & Bougie, 2016). The interview questions addressed government assistance, technology adaption, and socioeconomic factors.

**Participatory Observation:** By actively participating during the batik-making process, the researcher observed the interactions, manufacturing techniques, and marketing initiatives of the craftspeople. This approach gave firsthand knowledge of the operational difficulties and everyday realities faced by craftspeople (Sekaran & Bougie, 2016).

**Document Analysis:** Government reports, trade journals, and earlier scholarly research on the batik sector were the sources of secondary data. These records included background information to help triangulate the results of observations and interviews (Sekaran & Bougie, 2016).

#### **D. Methods of Data Analysis**

The following procedures were used to apply thematic analysis to the gathered data (Braun & Clarke, 2006):

Verbatim transcriptions of every interview were made, and recurrent themes were used to code them.

The identification of key issues included government action, innovation, economic sustainability, and workforce regeneration.

Design Analysis and Interpretation: To have a thorough grasp of the socioeconomic dynamics of the Batik Giriloyo craftspeople, the connections between the themes that were found were investigated.

#### **E. Measures of Validity and Credibility**

The study used the following validation approaches to make sure the results were reliable: Triangulation: To improve accuracy, data were cross-checked from observations, interviews, and documents (Schlunegger et al., 2024)

Member Checking: To ensure conformity with participants' actual experiences, key results were provided to them for validation (Brod et al., 2009).

Audit Trail: To ensure methodological transparency and repeatability, every study technique and decision was painstakingly recorded (Paré et al., 2016).

### **Results and Discussion**

The study's results are shown in this part, with a focus on the difficulties Batik Giriwangi artists encounter and their coping mechanisms. Based on the study findings, the analysis is organized into major theme categories.

#### **A. Challenges of Workforce Regeneration**

The lack of labor regeneration is one of the main issues facing the Batik Giriwangi sector. According to research, younger generations are becoming less interested in batik workmanship because they believe it to be time-consuming and economically unreliable. Several craftspeople stated that rather than continuing their family's batik-making customs, their kids would rather work in metropolitan areas with more income potential (Geertz, 1976).

Because mastering hand-drawn batik takes time and commitment, this generational change jeopardizes the survival of Batik Giriwangi. Additionally, there is a decline in the use of traditional apprenticeship methods, which involve informal family transmission of expertise (Suyanto, 2021). Numerous measures, such as government-sponsored seminars and vocational training programs, have been implemented to address this problem, but they have not yet resulted in appreciable increases in labor retention.

#### **B. Growing Production Costs and Economic Difficulties**

The rising cost of raw materials is another urgent problem for Batik Giriwangi artists. Over the past ten years, the cost of natural dyes and mori cloth, which are necessary for the manufacture of traditional batik, has increased significantly (Porter, 1998). Because manufacturing costs are rising faster than market prices, artisans are worried about their declining profit margins. In order to stay competitive, some craftspeople have chosen to use substitute materials, such as synthetic colors.

Since Batik Giriwangi craftsmen mostly rely on traditional sales channels including exhibits and local marketplaces, market access continues to be a barrier (Ghosal et al., 2020). Although some craftspeople have started looking at e-commerce platforms, widespread digital adoption is hampered by a lack of technology literacy and marketing know-how. Furthermore, the rise in mass-produced and machine-printed batik has increased competition, making it harder for traditional craftspeople to maintain their enterprises.

### **C. Product diversification and innovation**

Through creativity and product diversification, Batik Giriwangi craftspeople have shown perseverance in the face of economic hardship. To appeal to customers who are younger, some craftspeople have adjusted by incorporating contemporary elements into their classic designs (Ghosal et al., 2020). Furthermore, the manufacturing of accessories based on batik, such as apparel, purses, and scarves, has increased market prospects beyond traditional fabric sales.

Reviving the sector has also been greatly aided by partnerships with academic institutions and designers. A number of craftspeople have taken part in training courses that preserve traditional skills while incorporating modern design features (Porter, 1998). These programs allow craftspeople to preserve their cultural legacy while adapting to changing customer expectations.

Additionally, an exclusive market for created by hand batik items has been generated by the emergence of sustainable and eco-friendly fashion trends (Firdaus et al., 2025). Targeting customers who care about the environment, certain Batik Giriwangi craftsmen have taken advantage of this trend by highlighting the genuineness and moral creation of their handcrafted fabrics.

### **D. Digital Marketing's Contribution to Increasing Market Reach**

The results indicate that Batik Giriwangi artists continue to underutilize digital marketing as a tactic. Numerous artisans have the skills necessary to properly run internet companies, despite the fact that social media platforms like Facebook and Instagram have been found to be excellent advertising channels (Guha et al., 2021).

The following are some of the issues that limit the adoption of digital marketing:

Low levels of digital literacy: Many craftspeople lack knowledge of online sales tactics and e-commerce platforms (Sakaria, 2025).

Unreliable internet access: Unreliable connectivity still plagues certain rural communities, making it difficult to interact online.

Resource limitations: Craftspeople are unable to invest in expert digital marketing services due to financial limits.

Initiatives from the public and commercial sectors should concentrate on offering thorough training programs that give craftspeople digital skills in order to get beyond these obstacles. Structured initiatives for digital literacy can increase craftspeople's performance in the global economy, according to successful initiatives from other traditional sectors (Porter, 1998).

### **E. Government Assistance and Policy Changes**

Interventions from the government are essential to the Batik Giriwangi industry's survival. Financial aid programs, skill development seminars, and raw material subsidies are examples of current initiatives. But according to craftsmen, access to these assets is frequently hampered by uneven policy execution and bureaucratic inefficiency.

The creation of direct artisan assistance networks, in which funding and technical help are distributed according to the unique requirements of individual artists, is a significant policy proposal drawn from this study. To guarantee that Batik Giriwangi craftspeople keep their place in the market, laws that shield traditional batik from copying and counterfeiting should also be reinforced.

Partnerships between governmental organizations, academic institutions, and the commercial sector may increase the efficacy of policies. Research on unsustainable batik manufacturing techniques, for instance, might be facilitated by collaborations with academic institutions, and mentorship possibilities for artists making the shift to digital marketing and international commerce could be created by private sector engagement.

### **F. Strategies for Sustainability in the Batik Giriwangi Sector**

A multifaceted strategy is needed to guarantee Batik Giriwangi's long-term viability. Three crucial tactics are identified by the study:

Education and Knowledge Transfer: Including batik instruction in school curriculum and putting

in place organized apprenticeship programs might increase interest among the next generation (Geertz, 1976).

**Financial and Market Support:** By offering export aid and microfinance programs, craftsmen would be able to grow their enterprises without sacrificing the caliber of their output.

**Community-Based Initiatives:** Creating artisan cooperatives to support marketing campaigns, joint design initiatives, and pooled resources might increase industrial resilience.

## **Implication and Conclusion**

### **A. Implication**

For a number of stakeholders, including scholars, politicians, business professionals, and craftspeople, this study has important ramifications. These ramifications are divided into viewpoints pertaining to social, economic, cultural, and legislative issues, emphasizing the need for all-encompassing plans to maintain and grow the Batik Giriwangi sector.

### **Social Implications**

The results highlight how urgently the Batik Giriwangi sector needs to rehabilitate its personnel. Strategic interventions are necessary to safeguard the continuation of this traditional skill, as newer generations are reluctant to participate in batik manufacturing because of economic uncertainty. By incorporating batik craftsmanship into their curricula and vocational training programs, educational institutions can play a crucial role. Furthermore, encouraging community-based projects like mentoring programs run by seasoned craftspeople might improve young involvement and efficiently transmit expertise.

Furthermore, the preservation of Batik Giriwangi is a social as well as an economic issue. Public support and appreciation for traditional crafts may be increased through social movements and cultural awareness initiatives that promote regional craftspeople. The social underpinning of the sector might be strengthened by promoting pride in local heritage and active participation in its preservation (Geertz, 1976).

### **Economic Consequences**

This study emphasizes the significance of financial sustainability for Batik Giriwangi artists from an economic perspective. Innovative business approaches that put an emphasis on economic resilience are required due to the competition from mass-produced batik and rising raw material costs (Porter, 1998). Cooperative financing and microfinance programs may make it simpler for craftspeople to get loans, allowing them to grow their enterprises without sacrificing the quality of their output.

Furthermore, internet marketing offers artists a game-changing chance to reach a wider audience. But as this study shows, a large number of craftsmen are not digitally literate, which makes it difficult for them to use e-commerce platforms efficiently. In order to promote economic self-sufficiency, policymakers and private sector players should work together to create focused training programs that provide craftspeople the fundamental skills they need for digital marketing and entrepreneurship.

### **Implications for Culture**

Batik Giriwangi is a living cultural legacy that embodies centuries of creative history; it is not just a commodity. The necessity of cultural sustainability initiatives that strike a balance between innovation and tradition is highlighted by this study. Craftspeople must make sure that traditional skill is maintained even while updating batik designs might draw in a wider customer base. Cultural institutions and historical groups might help with this by organizing workshops, exhibitions, and intercultural partnerships to highlight the distinctiveness of Batik Giriwangi (Geertz, 1976). By promoting the use of geographic indication (GI) labeling, Batik Giriwangi's reputation as a unique cultural relic might be strengthened and its authenticity protected from fake goods.

## Implications for Industry and Policy

Government regulations are essential to the Batik Giriwangi industry's survival. According to the findings, current support systems including training programs and subsidies need to be properly implemented and made more accessible. Government programs would assist craftsmen more efficiently if policies were implemented to lower bureaucratic obstacles and simplify money distribution.

Furthermore, in order to stop copying and profiting from Batik Giriwangi designs, the protection of intellectual property rights (IPR) have to be reinforced. Regulations ought to encourage moral business conduct and guarantee that traditional craftsmen are fairly compensated for their labor. By bringing craftspeople into contact with international markets, public-private partnerships might further boost the industry's growth while preserving cultural integrity and creating economic prospects.

The incorporation of Batik Giriwangi into sustainable tourism projects is another important policy proposal. In addition to providing additional revenue streams for craftspeople, promoting cultural tourism through interactive workshops and batik-making activities might teach tourists about the cultural value of batik (Porter, 1998). To create eco-friendly and heritage-based tourist initiatives that complement local interests and economic feasibility, local governments should work with tourism organizations.

## B. Conclusion

The socioeconomic dynamics of Batik Giriwangi craftspeople are thoroughly examined in this study, which also highlights the difficulties and creative solutions used to maintain the sector. The results show that workforce regeneration is still a major issue since newer generations are hesitant to carry on the batik-making heritage because of the perceived lack of financial stability and economic unpredictability. The viability of traditional batik workmanship is also threatened by the competition from mass-produced batik and the growing costs of raw materials (Porter, 1998).

Through creativity, diversity, and community cooperation, Batik Giriwangi artists show perseverance in the face of these difficulties. While maintaining their cultural legacy, artists have been able to adjust to shifting customer demands through the use of contemporary motifs, diversification into batik-based accessories, and collaborations with designers (Lukman et al., 2022). Additionally, there is still a lot of unrealized potential in digital marketing, which calls for focused interventions to increase artisans' digital literacy and access to international markets.

Government assistance is essential to the Batik Giriwangi industry's long-term viability. However, the efficacy of current initiatives is constrained by bureaucratic obstacles and ineffective policies. Long-term gains for craftspeople may result from fortifying financial aid programs, improving intellectual property safeguards, and incorporating batik production into eco-friendly travel campaigns. To further bridge the gap between tradition and contemporary industry practices, public-private partnerships might support mentoring opportunities, research projects, and training programs (Geertz, 1976).

From a wider angle, the results highlight how crucial it is to strike a balance between economic viability and cultural preservation. Globalization and modernization provide problems, but they also give Batik Giriwangi craftspeople a chance to grow and create. The industry's long-term viability will require a multifaceted strategy that includes financial assistance, legislative intervention, education, and technology integration.

Future studies should look at how digital disruption has affected traditional industries over the long run, how well legislative interventions have worked, and how cultural entrepreneurship might help preserve traditional crafts. Researchers and politicians may support continued efforts to maintain Batik Giriwangi as an essential part of Indonesia's cultural and economic landscape by tackling these issues.

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