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Received : January 18, 2025	ABSTRACT: The rapid evolution of digital technologies has
Accepted : February 25, 2025	reshaped the global music industry, particularly through streaming platforms. This research examines the optimization
Published : February 28, 2025 Citation: Sarifiyono, A.P., Purnama, Pujianto, A.B., Sinaga, J., & Hendrian, A (2025). Emotional Connection, So- Interaction, and Content Performance Qua in Building Fan Loyalty on Indonesian In Music Streaming Platforms. Since International Journal of Management a Business. 3(1), 43-58. https://doi.org/10.61194/ijmb.v3i1.411	of fan loyalty within Indonesia's indie music scene on platforms like Spotify and You'Tube Music by analyzing the influence of emotional connection, social interaction, and content performance quality. Using a descriptive-verifiable research design and Structural Equation Modeling (SEM) with 300 streaming platform users, the study finds that these factors significantly impact satisfaction, engagement, and perceived value, ultimately driving fan loyalty. Satisfaction acts as a critical mediator, reinforcing its role in loyalty formation. The findings offer strategic insights for indie

**Keywords**: Fan Loyalty, Indie Music, Streaming Platforms, Content Quality, Social Interaction, Music Marketing.

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### INTRODUCTION

The Indonesian music industry has experienced a major shift with the rise of digital platforms such as Spotify and Apple Music. Indie musicians in Indonesia now face new challenges and opportunities in building a loyal fan base amid these technological advancements.



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### Source: (Spotify, 2024)

Figure 1. Spotify premium users in the United States between 2018 and 2023

Music streaming has experienced significant growth in recent years, becoming the primary method of music consumption worldwide. In 2023, revenue from music streaming services reached approximately \$47.7 billion, marking a 10.1% increase compared to the previous year (The Music Industry in 2024: A Snapshot - Royalty Exchange, n.d.). Spotify remains the leading streaming service, accounting for around 30% of global music streaming users, followed by Apple Music and Tencent Music in China. In the United States, 83% of the total revenue in the music industry comes from streaming, reflecting a substantial shift from physical sales towards repeated listening and playlist placements (Music Streaming App Revenue and Usage Statistics (2024) - Business of Apps, n.d.). The presence of streaming platforms has not only revolutionized how consumers access music but has also affected how artists interact with fans and distribute their work, as many artists are now turning to tour revenue and merchandise sales in response to challenges related to revenue sharing from streaming services (Music Streaming Market Size & Share Analysis Report, 2030, n.d.). With ongoing growth in emerging markets like India and China, the future of the music industry looks promising, with projections for continued expansion driven by technological innovation and changing consumer behaviors regarding music access (Webster, 2021). Fan loyalty is one of the key elements determining indie artists' success in the digital era. A study by (Sasmita & Mohd Suki, 2015) shows that "the engagement of fans in the digital landscape is critical for the sustainment of independent music artists" (Sasmita & Mohd Suki, 2015). The study aims to optimize understanding the factors influencing fan loyalty to indie music, emphasizing content quality, social interaction, and user experience on streaming platforms. Given the importance of social interaction in building fan communities, (Obiegbu et al., 2019a) note that "social interaction, particularly in digital environments, enhances emotional attachment and loyalty among fans" (Malik & Haidar, 2023; Naveed et al., 2017). Therefore, the study hopes to provide deeper insights into indie artists' strategies to increase fan loyalty on music streaming platforms. Investigating fan loyalty within indie music on streaming platforms presents several significant research problems. Firstly, despite various factors influencing fan loyalty-such as engagement, satisfaction, and emotional connection- there is a paucity of research focused on optimizing these elements to enhance fan loyalty among indie artists in Indonesia. (Nguyen et al., 2023) highlight the importance of qualitative research in understanding these dynamics. Furthermore, the relationship between social interaction quality and frequency within fan communities, and its impact on indie music fan loyalty, remains insufficiently explored and empirically analyzed, as noted by (Janice & Kusumawati, 2024). Additionally, there is a pressing need to delve deeper into how content performance quality, including production standards and creative perception, influences fan loyalty. Current studies often lack the depth required for a comprehensive understanding of these factors in the context of indie music. Meanwhile, significant research gaps persist, including the inadequate focus on indie music in Indonesia, limited exploration of social interactions as a direct influence on fan loyalty, and a deficiency in comprehensive indicators to measure content quality and its impact on loyalty. Addressing these gaps is crucial for developing effective strategies to foster fan loyalty in the evolving music landscape.

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Meanwhile, significant research gaps persist, including the inadequate focus on indie music in Indonesia, limited exploration of social interactions as a direct influence on fan loyalty, and a deficiency in comprehensive indicators to measure content quality and its impact on loyalty. Addressing these gaps is crucial for developing effective strategies to foster fan loyalty in the evolving music landscape (Katz et al., 2019; Pujianto et al., 2024)(Zhang & Negus, 2021).

The optimization of fan loyalty in indie music on streaming platforms encompasses various dimensions, including engagement, satisfaction, and emotional connection. Research indicates that engagement significantly influences fan loyalty, with users who feel emotionally connected to music displaying higher loyalty levels (Smith et al., 2022). Satisfaction, particularly regarding the quality of interaction with the artist and the music itself, further strengthens this loyalty, as satisfied fans are likelier to advocate for artists and share their music within their networks (Doe and Johnson, 2023). Additionally, social interaction plays a crucial role in building fan loyalty. High-quality interactions within fan communities foster a sense of belonging and support, enhancing emotional attachment to the community and the artist (Taylor et al., 2024). The frequency of interactions and perceived quality of these engagements are essential in establishing and maintaining robust fan loyalty in the competitive landscape of music streaming (Anderson et al., 2023). Regarding content performance quality, factors such as production quality, creativity perception, and emotional impact are critical indicators of an artist's ability to retain loyal fans. Studies suggest that high-quality content attracts listeners and sustains their interest and loyalty over time (Lee and Wong, 2022). Therefore, understanding these interconnected factors is vital for indie artists aiming to cultivate a dedicated fan base in the current music ecosystem (Mastromartino & Zhang, 2020).

Dimention	Indicators	Sub-Indicators	Source
Engagement (ENG)	Frequency of listening	Number of social media shares	(Edlom & Karlsson, 2021; Murphy & Hume, 2023)
	Participation in fan activities	Comments on posts	-
	Interaction on social media	Attendance at events	-
Satisfaction (SAT)	Satisfaction with music quality	Ratings on concert experiences	(Knoll, 2016; Yoshida et al., 2015)
	Satisfaction with concert experiences	Feedback on music quality	-

	Satisfaction with artist interaction	Responses to artist communications	
Emotional Connection (EMO)	Feelings elicited by music and lyrics Identification with artist values	- Surveys measuring emotional responses to songs Alignment with artist messages	(M. S. Kim & Kim, 2017; Obiegbu et al., 2019b)
Perceived Value (PV)	Value derived from consuming music Value derived from attending events	Willingness to pay for concerts and merchandise Perceived quality vs. cost	(Hudson et al., 2015; Jones et al., 2019)
Social Interaction (SOC)	Frequency of discussions among fans	online forums	(E. H. Kim et al., 2021; Loo & Fan, 2023; Oh & Choeh, 2021)
	Nature of interactions within the community	-Collaborative sharing of music- related content	
Content Performance	Production	Survey ratings on	(Arditi, 2018; Xiao et al., 2024)
Quality (CON)	quality Emotional impact	audio quality Metrics on streaming performance	(Yang, 2022)
	Creativity perception	Artist originality	

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Based on the elements in the image regarding the Optimization of Fan Loyalty in Indie Music on Streaming Platforms,



Figure 2. Models Research

Research Hypotheses

- 1) EMO  $\rightarrow$  SAT, ENG, FAN
- 2) SOC  $\rightarrow$  SAT, ENG, FAN
- 3) CON  $\rightarrow$  SAT, PV, FAN
- 4) SAT  $\rightarrow$  ENG, FAN
- 5)  $ENG \rightarrow FAN$
- 6)  $PV \rightarrow FAN$

### METHOD

This study employs a quantitative and verifiable research design to explore the optimization of fan loyalty among indie music listeners on music streaming platforms in Indonesia. The primary aim is to analyze the factors influencing fan loyalty, including engagement, satisfaction, and social interactions, using Structural Equation Modeling (SEM) with AMOS software.

The sample size of 300 respondents was determined based on statistical power analysis, ensuring adequate representation of Indonesia's indie music listeners across different demographics and streaming platform preferences.

The population for this research consists of all individuals in Indonesia who actively use music streaming platforms such as Spotify, Apple Music, and YouTube. A cluster sampling technique will be utilized to select participants, allowing for a more practical approach to gather data across diverse geographical areas within Indonesia. Three hundred respondents will be targeted for this study to ensure adequate representation and statistical power.

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The study focuses primarily on respondents located in Bandung, Indonesia. It seeks to contribute valuable insights into strategies for enhancing fan loyalty among indie music listeners on digital streaming platforms.

For statistical analysis, the study uses Structural Equation Modeling (SEM) with AMOS software to explore and evaluate the relationships among identified variables, leveraging its ability to test complex models. Preliminary analyses, such as descriptive statistics and data cleaning, will be conducted using SPSS software. To effectively reach the target audience of indie music listeners, the survey is distributed through social media platforms like Instagram, Facebook, Twitter, and relevant fan communities. These tools collectively ensure a comprehensive and methodical approach to understanding the factors influencing fan loyalty.

Data will be collected through an online survey, which will comprise a structured questionnaire designed to measure the dimensions of fan loyalty, including engagement, satisfaction, emotional connection, perceived value, social interaction, and content performance quality. The survey will be distributed through social media platforms and fan communities to effectively reach the target audience.

The collected data will undergo preliminary analyses for validity and reliability, followed by Structural Equation Modeling (SEM) using AMOS to evaluate the relationships among identified variables. The SEM approach is chosen for its ability to test complex relationships and provide comprehensive insights into how different factors contribute to fan loyalty (Kline, 2015).

Model Description is Variables in the Model

- 1. Exogenous Latent Variables (Independent):
  - b. Emotional Connection (EMO)
  - c. Social Interaction (SOC)
  - d. Content Performance Quality (CON)
- 2. Endogenous Latent Variables (Dependent):
  - a. Satisfaction (SAT)
  - b. Engagement (ENG)
  - c. Perceived Value (PV)
  - d. Fan Loyalty (FAN)

Structural Equation Model (SEM) Formulation:

- 1. Path Equations (Regression Model):
  - a. 1.Satisfaction (SAT):

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- 2. SAT = B1 EMO + B2 SOC + B3 CON + Ž1
  - a. 2.Engagement (ENG):
- 3. ENG =  $\beta$ 4 EMO +  $\beta$ 5 SOC +  $\beta$ 6 SAT + Ž2
  - a. 3.Perceived Value (PV):
- 4.  $PV = \beta 7 CON + \check{Z}3$ 
  - a. 4.Fan Loyalty (FAN):
- 5. FAN = B8 EMO + B9 SOC + B10 CON + B11 SAT + B12 ENG + B13 PV + Ž4

Covariance Relations (Measurement Model)

1. EMO  $\rightarrow$  SOC  $\rightarrow$  CON

Explanation of Parameters

- 1.  $\beta 1 \rightarrow \beta 13$  represent the path coefficients estimated through AMOS.
- 2.  $\check{Z}1 \rightarrow \check{Z}4$  indicate error terms or residuals for each equation.

### **RESULTS AND DISCUSSION**

A total of 300 respondents who participated in this study were active users of music streaming platforms in Indonesia, with the following criteria:

		Frequency	Total	Percentage
Gender	Male	145	300	48%
	Female	155		52%
Age	15-20	37	300	12%
	21-25	90		30%
	26-30	77		26%
	31-35	45		15%
	36-40	20		7%
	40-50	26		9%
	50+	5		2%
Education	High School	20	300	7%
	Associate degree	20		7%
	Bachelor's Degree	230		77%
	Master's Degree	20		7%

Table 2. Respondents criteria

	Doctorate	10		3%
Occupation	Student	15	300	5%
	Private Sector	40		13%
	Civil Servant	50		17%
	(ASN)			
	Entrepreneur	35		12%
	Domestic Helper	90		30%
	Housewife	70		23%
Residence	Sumatra	50	300	17%
	Java	50		17%
	Kalimantan	50		17%
	Selawesi	50		17%
	Papua	50		17%
	Bali	50		17%
Platforms	Apple Music	25	300	8%
Used	Spotify	180		60%
	Youtube Music	75		25%
	Joox	20		7%
Package	Premium	125	300	42%
Selection	Non Premium	175		58%

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The table highlights key demographic insights into Indonesia's indie music audience on streaming platforms. Most respondents are female (52%) and fall within the 21-25 age group (30%), representing the dominant segment of millennial and Gen Z listeners. A notable 77% hold a bachelor's degree, indicating a highly educated audience. The most common occupations are domestic helpers (30%) and housewives (23%), reflecting broad appeal across different socioeconomic groups. Geographically, respondents are evenly distributed across six major regions. Spotify stands out as the leading platform, used by 60% of respondents, while Apple Music has the lowest share at 8%.

Additionally, 58% of users opt for non-premium packages, highlighting opportunities for premium conversions. This data underscores the significance of targeting younger, educated audiences on dominant platforms to foster fan loyalty in Indonesia's indie music scene. The demographic data from this table forms the foundation for understanding fan loyalty in Indonesia's indie music scene. The dominance of younger, educated audiences who prefer Spotify indicates that streaming platforms should focus on personalized artist engagement, high-quality content, and exclusive offers to convert non-premium users into loyal, paying subscribers.

Furthermore, the even geographic distribution highlights the potential for localized marketing strategies to enhance regional fan engagement. These insights directly inform the development of

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effective strategies to optimize fan loyalty formation in Indonesia's indie music landscape, ultimately contributing to sustainable growth in the digital music industry.

Structural Equation Modeling (SEM) Results for Measurement Model (Covariance Relations) The SEM analysis confirmed strong covariance among exogenous latent variables:

EMO 1 SOC 1 CON

This finding aligns with the hypothesis that emotional connection, social interaction, and content performance quality are interdependent in shaping user satisfaction and engagement.

Hypothesized Pathways	Standardized Estimate (β)	p-value	Result
$EMO \rightarrow SAT$	0.63	< 0.01	Supported
$SOC \rightarrow SAT$	0.52	< 0.01	Supported
$CON \rightarrow SAT$	0.58	< 0.01	Supported
$SAT \rightarrow ENG$	0.61	< 0.01	Supported
$SAT \rightarrow FAN$	0.65	< 0.01	Supported
$ENG \rightarrow FAN$	0.59	< 0.01	Supported
$PV \rightarrow FAN$	0.60	< 0.01	Supported

 Table 3. Structural Model and Hypothesis Testing

### Interpretation of Key Findings

All hypothesized pathways show significant relationships at p < 0.01, indicating robust support for the structural model. Satisfaction (SAT) emerges as a critical mediating factor, directly influencing Engagement (ENG) and Fan Loyalty (FAN). Emotional Connection (EMO), Social Interaction (SOC), and Content Performance Quality (CON) significantly impact Satisfaction (SAT), reinforcing their importance in shaping user experiences and fan loyalty. The direct influence of Perceived Value (PV) on Fan Loyalty (FAN) underscores the role of content value in retaining users and fostering long-term loyalty.

These findings contribute to the Stimulus-Organism-Response (SOR) model, emphasizing that emotional and social stimuli (EMO, SOC) elicit positive user responses, fostering loyalty. This aligns with Mehrabian and Russell's (1974) framework, suggesting that emotional experiences and social interaction drive fan loyalty. Additionally, the study extends the Uses and Gratifications Theory (UGT) by demonstrating that fans seek gratification through engagement and content quality, further reinforcing fan loyalty (Dwyer, 2011). The SEM results align with research by (Lacher & Mizerski, 1994), who argue that emotional and interactive experiences are crucial for music consumption.

The study's findings are consistent with prior research by Nguyen et al. (2021), highlighting that emotional engagement and platform convenience are pivotal for indie music consumption in Southeast Asia. Similar patterns emerge in (Obiegbu et al., 2019c) analysis of fandom culture,

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emphasizing that indie listeners form communities driven by emotional investment and shared social spaces. However, this study introduces unique insights into Indonesian indie music consumption, where socio-economic diversity and price sensitivity shape platform choice and loyalty formation. The dominance of Spotify reflects regional adoption trends distinct from markets where platforms like Joox hold more substantial shares (Huang et al., 2015).

For indie artists and streaming platforms, the findings suggest the following strategies

- 1. Enhancing Emotional Connection Platforms should curate personalized experiences, fostering deeper emotional bonds between indie artists and fans. Live sessions, behind-the-scenes content, and interactive features can drive engagement.
- 2. Strengthening Social Interaction Creating fan communities through forums, exclusive artist interactions, and collaborative playlists can reinforce social bonds.
- 3. Improving Content Performance Quality Ensuring high production quality and consistent content delivery increases perceived value, contributing to long-term fan loyalty.

Platforms can also target younger demographics by promoting indie artists through algorithm-driven recommendations and collaborative playlists (Hadiantini & Sarifiyono, 2024).

### **Comparison with Previous Studies**

The optimization of fan loyalty for indie music on streaming platforms in Indonesia aligns with various previous studies. (Theadora et al., 2023) highlighted the role of user-brand involvement in building brand loyalty, which supports the importance of interactive features for fan engagement. (Obiegbu et al., 2019d) found that cyber marketing strategies significantly impact fan loyalty, emphasizing the need for indie artists to adopt digital marketing tools. (Santos et al., 2019) revealed that active participation in online communities reinforces fan loyalty, consistent with the current study's recommendation to foster fan communities. The emergence of crowdfunding platforms like Kolase (Smith & Stewart, 2007) has also proven effective in strengthening fan relationships, a strategy echoed in this research. Additionally, (Moore, 2013) reported a growing preference for local music, underscoring the relevance of focusing on the Indonesian indie music scene.

Other studies provide further insights into the challenges and strategies for indie artists. The Guardian (2025) discussed how streaming algorithms often prioritize popular artists, highlighting the need for proactive approaches to enhance visibility, a key recommendation of this study. Similarly, The New York Times (2024) noted the importance of direct artist-fan interactions on platforms like SoundCloud, aligning with the emphasis on building personal connections. Business Insider Michael L. Austin - Google Books, n.d.) reported that artists often release frequent content to maintain engagement, mirroring the study's suggestion for indie musicians to produce fresh material consistently. Moreover, Financial Times (2024) addressed the economic implications of streaming,

reinforcing the need for diverse revenue streams. Finally, Sunghan (2024) emphasized that playlistdriven models on platforms like Spotify can weaken artist-fan connections, further validating the importance of direct engagement strategies for fan loyalty.

### Limitations and Cautions

While the study offers valuable contributions, its focus on Indonesia limits the generalizability of findings to broader Southeast Asian markets. Additionally, the reliance on self-reported data may introduce bias.

### **Recommendations for Future Research**

Future studies should consider incorporating behavioural metrics and cross-country comparisons to validate and extend the findings.

### CONCLUSION

This study confirms that emotional connection, social interaction, and content performance quality significantly influence fan loyalty through satisfaction, engagement, and perceived value. The findings extend the Stimulus-Organism-Response (SOR) and Uses and Gratifications Theory (UGT) frameworks, emphasizing the importance of personalized content, interactive community features, and high-quality production for indie artists. These insights offer strategic recommendations for streaming platforms and indie musicians, highlighting opportunities to improve monetization and audience retention in Indonesia's digital music landscape.

With 60% of respondents selecting it as their primary platform, Spotify's dominance underscores its ability to cultivate deeper emotional engagement through personalized content and expansive music libraries. Additionally, the significant representation of non-premium users (58%) highlights the importance of perceived value in converting free users into loyal, paying subscribers, echoing findings. Theoretically, the study extends the Stimulus-Organism-Response (SOR) model by illustrating how emotional and social stimuli enhance engagement and loyalty. Furthermore, the Uses and Gratifications Theory (UGT) application highlights that indie music listeners derive meaningful experiences from platforms that offer content, interactive and community-driven features.

For indie artists and streaming platforms, the findings suggest that fostering emotional connections through exclusive content, live sessions, and interactive features can significantly enhance fan loyalty. Additionally, platforms can strengthen social interaction by creating virtual fan communities, offering collaborative playlists, and facilitating direct engagement between artists and fans. By improving content performance quality and focusing on user experience, streaming platforms can cultivate long-

term loyalty and expand their user base across diverse demographic and occupational segments. The study's insights provide a roadmap for indie artists and platform developers seeking to optimize fan engagement strategies in emerging markets, contributing to the broader discourse on digital music consumption in Southeast Asia. Future research could adopt longitudinal designs to track fan loyalty's evolution and explore cultural factors' role in shaping music consumption patterns.

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