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Author for correspondence:

Rahmat Yuliawan

e-mail: rahmat.yuliawan@vokasi.unair.ac.id

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# The Impact of Monetary Policy, Inflation Rates, and Foreign Direct Investment on Economic Growth in Developing Countries

<sup>1</sup>Rahmat Yuliawan, <sup>2</sup>Murdiawati, <sup>3</sup>Mustofa Faqih, <sup>4</sup>R Abdul Haris, <sup>5</sup>Anna Sulistyawati

<sup>1</sup>Universitas Airlangga, <sup>2</sup>Universitas Andalas, <sup>3</sup>UNISNU (Universitas Nahdlatul Ulama) Jepara, <sup>4</sup>Universitas Panca Marga, <sup>5</sup>Universitas Sarjanawiyata Tamansiswa Yogyakarta, Indonesia

This study explores the intricate relationships between monetary policy, inflation rates, and foreign direct investment (FDI) and their collective impact on economic growth in developing countries. Utilizing a comprehensive review of existing literature, this research aims to provide a nuanced understanding of how these macroeconomic factors interact to influence economic development. In conclusion, the interplay between monetary policy, inflation, and FDI is crucial in shaping the economic trajectories of developing countries. The study suggests that balanced and coherent policy frameworks are essential to harnessing these factors for sustained economic growth. Future research should explore country-specific dynamics to better understand the differential impacts across various developing economies.

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## 1. Introduction

In recent decades, economic growth in developing countries has been a focal point of global economic discourse, driven by various factors including monetary policy, inflation rates, and foreign direct investment (FDI). Understanding the interplay and impact of these variables is crucial for policymakers and economists alike to formulate effective strategies that foster sustainable economic development. This study aims to explore the intricate relationships between monetary policy tools, inflation dynamics, FDI inflows, and their combined influence on economic growth in developing nations.

Monetary policy, as a cornerstone of economic management, involves decisions by central banks to regulate money supply, interest rates, and credit availability, aiming to achieve macroeconomic stability and sustainable growth (Idris, 2019). Meanwhile, inflation rates reflect the general increase in prices over time, affecting consumer purchasing power and overall economic stability (Bibi et al., 2020). Foreign direct investment, on the other hand, plays a pivotal role in developing economies by injecting capital, technology transfer, and stimulating growth through increased production capacities and employment opportunities (Opeyemi, 2020).

Despite extensive research on each of these factors independently, limited empirical studies have comprehensively examined their collective impact on economic growth in the context of developing countries (Ajibola et al., 2024). Existing literature often focuses on developed economies or specific regions, leaving a gap in understanding how these variables interact and influence growth trajectories in diverse developing country settings.

Addressing this gap is urgent given the growing significance of developing countries in the global economy and the need for tailored policy prescriptions to promote sustainable growth amid evolving global economic dynamics (Bashir & Rashid, 2019).

Prior studies have established individual relationships between monetary policy, inflation, FDI, and economic growth, yet few have integrated these factors holistically within the context of developing countries (Kur & Ogbonna, 2019)

This study seeks to build upon and extend existing research by analyzing these interactions comprehensively. The novelty of this research lies in its integrated approach to examine how monetary policy decisions, inflation trends, and FDI flows collectively shape economic performance in developing countries. By synthesizing these elements, the study aims to provide nuanced insights that contribute to both theoretical advancements and practical policy recommendations.

This research endeavors to achieve the following objectives:

1. Investigate the impact of monetary policy tools on economic growth in developing countries.
2. Analyze the relationship between inflation rates and economic performance.
3. Evaluate the role of FDI in enhancing economic development.
4. Assess the combined effects of these factors on overall economic growth trajectories.

The findings of this study are expected to inform policymakers, international organizations, and economists about effective strategies to promote sustainable economic growth in developing countries. By identifying key drivers and their interactions, the study aims to offer practical recommendations for enhancing economic policy frameworks and fostering inclusive development.

## **2. Research Method**

This study employs a quantitative research design to systematically analyze the relationships between monetary policy, inflation rates, foreign direct investment (FDI), and economic growth across developing countries. Quantitative research is chosen for its ability to provide empirical evidence through statistical analysis, allowing for a robust examination of causal relationships and quantitative patterns (Sugiyono, 2013).

The primary data sources for this research include secondary data obtained from reputable international databases such as the World Bank, International Monetary Fund (IMF), and national statistical agencies of developing countries.

These sources provide comprehensive and reliable macroeconomic indicators such as GDP growth rates, inflation rates, FDI inflows, and monetary policy variables.

Data collection involves gathering annual time-series data on key variables from 2000 to 2020 (or the most recent available years) for a sample of developing countries. Variables include GDP growth rates (dependent variable), inflation rates, FDI inflows as a percentage of GDP, and monetary policy indicators such as interest rates, money supply growth, and exchange rate stability.

The collected data will be analyzed using advanced econometric techniques suitable for panel data analysis, such as fixed-effects models or random-effects models. These models account for country-specific characteristics and time-specific effects, thereby controlling for potential confounding factors and enhancing the robustness of the analysis.

This study adheres to ethical principles by ensuring the confidentiality and anonymity of data sources used. All data are aggregated and anonymized at the country level to protect the privacy of individuals and organizations contributing to the datasets.

### **3. Result and Discussion**

#### **3.1. 1. Impact of Monetary Policy on Economic Growth**

Monetary policy plays a crucial role in influencing economic growth in developing countries (Nurmela et al., 2024). Empirical studies suggest that expansionary monetary policies, characterized by lower interest rates and increased money supply, stimulate economic activity by encouraging investment and consumption (GBENGA & ADANU, n.d.). Conversely, tight monetary policies aimed at curbing inflation may temporarily constrain economic growth but contribute to long-term stability (Christopher, n.d.)

Moreover, the effectiveness of monetary policy varies across countries due to differences in financial systems, economic structures, and policy implementation capabilities. For instance, countries with well-developed financial markets tend to respond more robustly to changes in interest rates compared to those with underdeveloped financial infrastructures (Mareta et al., 2024)

### **3.2. Influence of Inflation Rates on Economic Growth**

The relationship between inflation rates and economic growth in developing countries is complex and nonlinear. Moderate inflation rates are often associated with economic dynamism as they reflect healthy demand and investment levels (Aprian, 2024). However, high and volatile inflation can erode consumer purchasing power, distort resource allocation, and hinder long-term economic growth (Aswanto & Arif, 2024)

Empirical evidence suggests a threshold effect where inflation rates above a certain level begin to harm economic performance, indicating the importance of maintaining price stability through effective monetary policy (Hakim, 2024). Countries that manage to keep inflation rates low and stable tend to experience more sustained economic growth over time (Sukainah, 2024)

### **3.3. Foreign Direct Investment (FDI) and Economic Growth**

Foreign direct investment plays a significant role in boosting economic growth by providing capital, technology transfer, and access to new markets (Takaeb et al., 2024). Developing countries often attract FDI through favorable investment climates, including stable macroeconomic policies, legal frameworks protecting property rights, and infrastructure development (Nurlaila, 2024)

The impact of FDI on economic growth varies depending on factors such as the quality of institutions, human capital, and the absorptive capacity of the host country (Sutara et al., 2024). While FDI inflows generally contribute positively to economic growth, their benefits may be unevenly distributed across sectors and regions, potentially exacerbating income inequality (Habibah, 2024)

### **3.4. Interactive Effects and Policy Implications**

The interplay between monetary policy, inflation rates, and FDI highlights the importance of coordinated policy frameworks for achieving sustainable economic growth in developing countries. Policies aimed at maintaining price stability, improving investment climates, and enhancing institutional capacity are crucial for maximizing the positive impact of these factors on economic development (Ramadhan, 2024)

Furthermore, this study underscores the need for tailored policy interventions that address specific economic challenges and opportunities within individual countries (Kartina, 2024). Effective policy responses should consider the heterogeneous nature of developing economies and prioritize strategies that promote inclusive growth, technological advancement, and sustainable development (Rukman, 2024)

#### 4. Conclusion

In conclusion, this study has explored the intricate relationships among monetary policy, inflation rates, foreign direct investment (FDI), and economic growth in developing countries. The findings highlight several critical insights into how these factors interact to shape economic outcomes. Firstly, effective monetary policy frameworks that balance growth stimulation with inflation control are pivotal for fostering sustainable economic development. Countries that manage to maintain stable and accommodative monetary policies tend to experience more robust economic growth, as evidenced by increased investment flows and consumer spending. Conversely, high inflation rates can undermine economic stability and deter investment, emphasizing the importance of prudent monetary management.

Secondly, the role of foreign direct investment emerges as a catalyst for economic growth, particularly in providing capital, technology transfer, and employment opportunities. Developing countries that attract substantial FDI inflows through conducive regulatory environments and infrastructure improvements often witness accelerated economic expansion. However, the benefits of FDI are contingent upon institutional quality, human capital development, and effective governance frameworks. Policy efforts aimed at enhancing these aspects can maximize the positive impacts of FDI on economic growth, contributing to more inclusive and sustainable development trajectories.

In essence, this research underscores the complexity of economic dynamics in developing countries and underscores the need for integrated policy approaches that address monetary stability, inflation control, and FDI promotion.

Moving forward, policymakers should prioritize strategic interventions that foster a conducive environment for investment, mitigate inflationary pressures, and enhance institutional capacities to sustain long-term economic growth and prosperity.

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