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Green Fiscal Policies and Their Role in Promoting Sustainable Development



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Abstract

Purpose: The objective of this study was to investigate green fiscal policies and their role in promoting sustainable development.

Methodology: The study adopted a desktop research methodology. Desk research refers to secondary data or that which can be collected without fieldwork. Desk research is basically involved in collecting data from existing resources hence it is often considered a low cost technique as compared to field research, as the main cost is involved in executive's time, telephone charges and directories. Thus, the study relied on already published studies, reports and statistics. This secondary data was easily accessed through the online journals and library.

Findings: The findings revealed that there exists a contextual and methodological gap relating to green fiscal policies and their role in promoting sustainable development. Preliminary empirical review revealed that changes in macroeconomic variables like inflation, interest rates, and GDP growth significantly influenced private investment in Kenya. Stable and predictable economic conditions encouraged investment, while volatility discouraged it, highlighting the need for consistent macroeconomic policies to support private sector growth.

Unique Contribution to Theory, Practice and Policy: Environmental Kuznets Curve theory (EKC), Ecological Modernization theory (EMT) and Public Choice theory may be used to anchor future studies on green fiscal policies and their role in promoting sustainable development. The study recommended maintaining macroeconomic stability, strengthening financial markets, and promoting inclusive growth to boost investment. It contributed to theory by highlighting the link between macroeconomic factors and investment behavior, and to practice and policy by calling for reforms that create a stable and supportive investment environment.

Keywords: *Macroenomic Policy, Private Investment Growth, Economic Stability, Inflation, Gross Domestic Product (GDP) Growth*

E60, E22, E32, E43, O40

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Vol. 5, Issue No. 3, pp 1 – 13, 2025 **1.0 INTRODUCTION**



Sustainable development is a multifaceted concept that seeks to harmonize economic growth, environmental protection, and social equity to ensure the well-being of present and future generations. This approach is operationalized through the United Nations' Sustainable Development Goals (SDGs), which provide a comprehensive framework for assessing and guiding progress across various dimensions of development. The implementation and outcomes of sustainable development initiatives vary across countries due to differences in economic structures, governance, and societal priorities. In the United States, sustainable development efforts have been characterized by a strong emphasis on technological innovation and policy initiatives aimed at reducing environmental impact while promoting economic growth. For instance, the adoption of renewable energy sources has been a significant focus, with renewable energy generating over 20% of all U.S. electricity in 2022, comprising 10.3% wind, 6.0% hydropower, 3.4% solar, 1.2% biomass, and 0.4% geothermal. Additionally, social equity programs have aimed to address disparities in education and healthcare access, although challenges remain in achieving comprehensive inclusivity. The integration of environmental considerations into economic planning reflects a commitment to sustainable development principles.

The United Kingdom has demonstrated a commitment to sustainable development through policies targeting carbon emission reductions and social welfare improvements. The UK's Climate Change Act of 2008 set legally binding targets for reducing greenhouse gas emissions, leading to a 44% reduction from 1990 levels by 2019. Social programs, such as the Universal Credit system, aim to streamline welfare benefits and reduce poverty, though critiques highlight areas needing improvement. The UK's approach illustrates the integration of environmental and social policies within a sustainable development framework. Japan's sustainable development strategy emphasizes technological advancement and energy efficiency, particularly in response to its limited natural resources. The government's "Green Growth Strategy" aims to achieve carbon neutrality by 2050, focusing on innovation in renewable energy and energy-saving technologies. Socially, Japan faces challenges related to an aging population, prompting policies to enhance healthcare services and promote active aging. These initiatives reflect Japan's efforts to balance economic development with environmental sustainability and social well-being.

Brazil's sustainable development efforts are closely tied to its vast natural resources, particularly the Amazon rainforest. Deforestation rates have been a significant concern, with a reported increase of 9.5% in 2020 compared to the previous year. This trend poses challenges to environmental preservation and has implications for global climate change. Efforts to address these issues include implementing stricter environmental regulations and promoting sustainable land-use practices. In Sub-Saharan Africa, sustainable development is influenced by factors such as economic development, environmental challenges, and social equity. Efforts to promote sustainable development in the region include initiatives to improve access to clean energy, enhance agricultural productivity, and address social disparities. However, challenges such as climate change, resource constraints, and governance issues continue to impact progress. Collaborative efforts involving governments, international organizations, and local communities are essential to advancing sustainable development in Sub-Saharan Africa.

Green fiscal policies encompass a suite of government interventions designed to align fiscal mechanisms with environmental objectives, thereby promoting sustainable development. These interventions include environmental taxes, subsidies for clean energy, eco-friendly public

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Vol. 5, Issue No. 3, pp 1 – 13, 2025



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investments, and environmental tax reforms. The primary aim is to internalize environmental externalities, incentivize sustainable practices, and generate revenue for green investments. Such policies are instrumental in steering economies towards low-carbon, climate-resilient pathways. For instance, Kenya's draft National Green Fiscal Incentives Policy Framework outlines various fiscal tools, such as carbon taxes and green bonds, to stimulate investment in environmentally sustainable practices (EY, 2023). By integrating environmental considerations into fiscal policy, governments can effectively address climate change challenges while fostering economic growth and social equity.

Agroforestry systems integrate trees and shrubs into agricultural landscapes, offering a multifaceted approach to land management that combines agricultural and forestry practices. These systems enhance biodiversity, improve soil fertility, and contribute to carbon sequestration, thereby playing a pivotal role in environmental protection. Moreover, agroforestry supports economic growth by diversifying income sources for farmers and enhancing food security. Socially, it promotes equity by providing resources and opportunities for marginalized communities. In tropical environments, agroforestry is particularly beneficial due to its adaptability to diverse ecological conditions and its capacity to mitigate the adverse effects of climate change (FAO, 2017). Thus, agroforestry systems are integral to achieving sustainable development goals in tropical regions.

In the United States, agroforestry practices have been increasingly adopted to address environmental concerns and promote sustainable agriculture. The U.S. Department of Agriculture (USDA) supports agroforestry through research, technical assistance, and funding programs. For example, the USDA's National Agroforestry Center provides resources and guidance to landowners interested in implementing agroforestry practices. These practices contribute to environmental protection by reducing soil erosion, enhancing water quality, and increasing carbon sequestration. Economically, agroforestry diversifies farm income through the production of timber, fruits, and other non-timber forest products. Socially, it supports rural communities by creating employment opportunities and promoting sustainable land use. Thus, agroforestry in the U.S. exemplifies the integration of environmental, economic, and social objectives inherent in sustainable development (USDA, 2019).

The United Kingdom has recognized the potential of agroforestry in achieving environmental and agricultural sustainability. The UK's Environmental Land Management Scheme (ELMS) provides financial incentives to farmers who adopt environmentally beneficial practices, including agroforestry. Agroforestry contributes to environmental protection by enhancing biodiversity, improving soil health, and sequestering carbon. Economically, it offers farmers diversified income streams and resilience against market fluctuations. Socially, agroforestry supports rural development and community engagement in sustainable land management. The UK's commitment to agroforestry reflects its broader strategy to integrate environmental considerations into agricultural policy, thereby advancing sustainable development goals (DEFRA, 2020).

Japan's approach to agroforestry is deeply rooted in its cultural and agricultural traditions. The Japanese government promotes agroforestry through policies that support sustainable land use and rural development. Agroforestry practices in Japan contribute to environmental protection by conserving biodiversity, preventing soil erosion, and enhancing carbon sequestration. Economically, they provide farmers with diversified income sources and contribute to the sustainability of rural economies. Socially, agroforestry supports community cohesion and the

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Vol. 5, Issue No. 3, pp 1 – 13, 2025

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preservation of traditional knowledge. Japan's integration of agroforestry into its agricultural and environmental policies exemplifies a holistic approach to sustainable development (MAFF, 2018).

Brazil, home to vast tropical forests, has embraced agroforestry as a strategy to balance environmental conservation with agricultural productivity. The Brazilian government and various NGOs support agroforestry initiatives aimed at restoring degraded lands, enhancing biodiversity, and promoting sustainable livelihoods. Agroforestry systems in Brazil contribute to environmental protection by reducing deforestation, improving soil health, and sequestering carbon. Economically, they offer diversified income opportunities for smallholder farmers and contribute to food security. Socially, agroforestry supports indigenous and local communities by preserving traditional practices and promoting social inclusion. Brazil's experience demonstrates the potential of agroforestry to advance sustainable development in tropical environments (ICRAF, 2019).

In Sub-Saharan Africa, agroforestry is widely recognized for its role in enhancing agricultural productivity, environmental resilience, and social well-being. Governments and international organizations have implemented various programs to promote agroforestry practices among smallholder farmers. These practices contribute to environmental protection by combating desertification, improving soil fertility, and increasing biodiversity. Economically, agroforestry enhances food security and provides additional income sources through the sale of timber and non-timber products. Socially, it empowers communities by promoting sustainable land management and resilience to climate change. The widespread adoption of agroforestry in Sub-Saharan Africa underscores its significance in achieving sustainable development goals in the region (World Agroforestry Centre, 2017).

The integration of green fiscal policies with agroforestry initiatives can amplify the benefits of both approaches in promoting sustainable development. Fiscal incentives, such as subsidies for tree planting and tax breaks for sustainable land use, can encourage the adoption of agroforestry practices. These policies can mobilize financial resources towards environmental conservation, economic development, and social equity. For instance, Kenya's green fiscal policies include measures to support sustainable agriculture and land use practices, which align with agroforestry objectives (UNEP, 2015). By aligning fiscal policies with agroforestry initiatives, governments can create enabling environments for sustainable development in tropical regions.

Despite the recognized benefits of agroforestry and green fiscal policies, several challenges hinder their widespread implementation. These include limited financial resources, lack of technical expertise, and inadequate policy frameworks. However, opportunities exist to overcome these challenges through capacity building, stakeholder engagement, and policy integration. International cooperation and knowledge sharing can also facilitate the adoption of best practices. By addressing these challenges, countries can harness the full potential of agroforestry and green fiscal policies to achieve sustainable development in tropical environments (FAO, 2017).

1.1 Statement of the Problem

The global pursuit of sustainable development necessitates the integration of environmental considerations into fiscal policies. Green fiscal policies, which encompass environmental taxes, subsidies for clean energy, and eco-friendly public investments, are pivotal in steering economies towards sustainability. Despite the recognized importance of these policies, their implementation remains limited. For instance, following the COVID-19 pandemic, governments worldwide allocated approximately \$14.6 trillion for economic recovery, yet only \$368 billion (about 2.5%)

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Vol. 5, Issue No. 3, pp 1 – 13, 2025

CARI Journals

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was directed towards green initiatives (Carrington, 2021). This underinvestment underscores a significant gap between policy rhetoric and actionable commitments to sustainable development.

A critical research gap exists in understanding the efficacy of green fiscal policies in achieving sustainable development goals. While some studies have examined the impact of individual fiscal instruments, comprehensive analyses that assess the combined effect of various green fiscal measures on environmental protection, economic growth, and social equity are scarce. Moreover, there is a lack of standardized frameworks for evaluating the outcomes of these policies, which hampers the ability to compare effectiveness across different contexts (Petrie, 2021). Addressing this gap is essential for informing policy decisions and optimizing the design and implementation of green fiscal strategies. The findings of this study will be instrumental for policymakers, economists, and environmental advocates. By providing empirical evidence on the outcomes of green fiscal policies, the research will guide governments in allocating resources more effectively to achieve sustainability objectives. Economists will benefit from insights into the economic implications of environmental fiscal measures, facilitating more accurate forecasting and planning. Environmental advocates can leverage the findings to advocate for more robust and effective green fiscal policies. Ultimately, the study aims to contribute to the global discourse on sustainable development by highlighting the role of fiscal policy in fostering environmental stewardship, economic resilience, and social well-being.

2.0 LITERATURE REVIEW

2.1 Theoretical Review

2.1.1 Environmental Kuznets Curve (EKC) Theory

The Environmental Kuznets Curve (EKC) theory posits an inverted U-shaped relationship between environmental degradation and economic development. Initially, as an economy grows, environmental degradation intensifies due to increased industrial activity and resource exploitation. However, after reaching a certain income level, further economic growth leads to environmental improvements as societies invest in cleaner technologies and enforce environmental regulations. This theory, derived from Simon Kuznets' original hypothesis on income inequality, was adapted to environmental contexts by economists such as Gene Grossman and Alan Krueger. The EKC is relevant to the study of green fiscal policies as it suggests that economic instruments, like environmental taxes and subsidies, can accelerate the transition to the downward-sloping side of the curve, promoting sustainable development. By implementing green fiscal policies, governments can potentially reduce the environmental impact of economic growth earlier in the development process, thus flattening the curve and achieving sustainability goals more efficiently (Stern, 2018).

2.1.2 Ecological Modernization Theory (EMT)

Ecological Modernization Theory (EMT) emerged in the early 1980s through the work of scholars like Joseph Huber and Udo E. Simonis. EMT argues that environmental protection and economic growth are not mutually exclusive but can be synergistically achieved through technological innovation, institutional reforms, and proactive environmental policies. The theory emphasizes the role of modern institutions, including governments and industries, in driving ecological improvements by integrating environmental considerations into economic decision-making. In the context of green fiscal policies, EMT provides a theoretical foundation for understanding how fiscal instruments, such as eco-taxes and green subsidies, can incentivize businesses and

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Vol. 5, Issue No. 3, pp 1 – 13, 2025

consumers to adopt environmentally friendly practices. By aligning economic incentives with environmental objectives, green fiscal policies can facilitate the ecological modernization of economies, leading to sustainable development outcomes (Mol & Sonnenfeld, 2000).

2.1.3 Public Choice Theory

Public Choice Theory applies economic principles to political science, analyzing how selfinterested behavior of voters, politicians, and bureaucrats influences public decision-making. Developed by economists like James M. Buchanan and Gordon Tullock, the theory challenges the notion that government actions always reflect the public interest, highlighting the potential for government failure due to individual incentives and institutional constraints. In the realm of green fiscal policies, Public Choice Theory is pertinent as it sheds light on the political economy aspects of environmental policymaking. For instance, it can explain why certain environmentally harmful subsidies persist despite their negative externalities, due to lobbying by interest groups or political considerations. Understanding these dynamics is crucial for designing and implementing effective green fiscal policies that can overcome political barriers and align individual incentives with collective environmental goals (Mueller, 2003).

2.2 Empirical Review

Vitenu-Sackey, Oppong & Akpemah Bathuure (2021) investigated the impact of green fiscal policy on green technology investment in China. The study employed econometric techniques, specifically quantile regression with the least absolute deviations (LAD) method, to analyze the long-run effects of green fiscal policies on green technology investment. The results indicated that green fiscal policy has a heterogeneous impact on green technology investment total factor productivity. Environmental taxes positively influenced green technology investment, while environmental expenditures had a negative effect. Policymakers should consider the differential impacts of various green fiscal instruments and focus on enhancing the effectiveness of environmental taxes to promote green technology investments.

Nabieu, Bokpin, Osei & Asuming (2021) examined the effects of fiscal rules on fiscal performance and economic growth in Sub-Saharan Africa. The study applied simultaneous equation models to a dataset of 43 Sub-Saharan African countries over 27 years, analyzing the relationship between fiscal rules, fiscal performance, and economic growth. Fiscal rules significantly improved fiscal performance but had a decelerating effect on economic growth. Expenditure rules were most effective in influencing fiscal balance and economic growth. Sub-Saharan African economies should implement more revenue rules, debt rules, and balanced budget rules to mitigate the negative effects of government spending on economic growth. Careful consideration is needed when applying fiscal rules to government spending to avoid impeding economic growth.

Onyele, Onyekachi-Onyele & Ikwuagwu (2024) analyzed how institutional quality and fiscal policy affect debt sustainability in Sub-Saharan Africa. The study employed a panel Autoregressive Distributed Lag (ARDL) model to examine the long-term effects of fiscal policy and institutional quality on debt sustainability in 48 Sub-Saharan African countries from 2008 to 2022. Fiscal policy components (expenditure and revenue) and indicators of institutional quality significantly influenced the long-term sustainability of public debt. The speed of adjustment to long-run equilibrium was slow, attributed to unstable governance. Policymakers should enhance institutional quality and implement prudent fiscal policies to ensure debt sustainability. Strengthening governance structures is crucial for effective fiscal management.



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ISSN 2789-3863 (Online)

Vol. 5, Issue No. 3, pp 1 – 13, 2025



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Adegboye, Adegboye, Uwuigbe, Ojeka & Fasanu (2023) explored the relationship between taxation, democracy, and income inequality in Sub-Saharan Africa, and their implications for sustainable development goals. The study utilized an instrumental variable approach to analyze panel data from 42 Sub-Saharan African countries between 1996 and 2014. Both taxation and democracy independently reduced income inequality. The combination of taxation and democratic institutions had a net effect of further reducing income inequality. Strengthening democratic institutions can enhance the effectiveness of tax systems in reducing income inequality, contributing to the achievement of sustainable development goals related to poverty reduction and inequality.

Chang, Wan, Lou, Chen & Wang (2019) investigated the impact of green fiscal policy on firms' investment efficiency in the renewable energy industry in China. The study analyzed firm-level panel data from the renewable energy industry, focusing on the effects of green fiscal policies on investment efficiency. Green fiscal policies improved firms' investment efficiency, indicating that such policies can effectively promote sustainable development in the renewable energy sector. Policymakers should continue to support green fiscal policies to enhance investment efficiency and promote the growth of the renewable energy industry.

He, Liu, Zhong, Wang & Xia (2019) examined whether green financial development promotes renewable energy investment efficiency, considering the role of bank credit. The study conducted an empirical analysis based on data from 150 listed companies in China, focusing on the relationship between green credit, renewable energy investment, and green economy development. Green financial development, particularly green credit, positively influenced renewable energy investment efficiency, contributing to the development of a green economy. Enhancing green financial instruments, such as green credit, can effectively promote renewable energy investments and support sustainable economic development.

3.0 METHODOLOGY

The study adopted a desktop research methodology. Desk research refers to secondary data or that which can be collected without fieldwork. Desk research is basically involved in collecting data from existing resources hence it is often considered a low cost technique as compared to field research, as the main cost is involved in executive's time, telephone charges and directories. Thus, the study relied on already published studies, reports and statistics. This secondary data was easily accessed through the online journals and library.

4.0 FINDINGS

Our study presented both a contextual and methodological gap. A contextual gap occurs when desired research findings provide a different perspective on the topic of discussion. For instance, Nabieu, Bokpin, Osei & Asuming (2021) examined the effects of fiscal rules on fiscal performance and economic growth in Sub-Saharan Africa. The study applied simultaneous equation models to a dataset of 43 Sub-Saharan African countries over 27 years, analyzing the relationship between fiscal rules, fiscal performance, and economic growth. Fiscal rules significantly improved fiscal performance but had a decelerating effect on economic growth. Expenditure rules were most effective in influencing fiscal balance and economic growth. Sub-Saharan African economies should implement more revenue rules, debt rules, and balanced budget rules to mitigate the negative effects of government spending on economic growth. Careful consideration is needed when applying fiscal rules to government spending to avoid impeding economic growth. On the

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Vol. 5, Issue No. 3, pp 1 – 13, 2025



www.carijournals.org

other hand, the current study focused on investigating green fiscal policies and their role in promoting sustainable development.

Secondly, a methodological gap also presents itself, for example, in examining the effects of fiscal rules on fiscal performance and economic growth in Sub-Saharan Africa- Nabieu, Bokpin, Osei & Asuming (2021) applied simultaneous equation models to a dataset of 43 Sub-Saharan African countries over 27 years, analyzing the relationship between fiscal rules, fiscal performance, and economic growth. Whereas, the current study adopted a desktop research method.

5.0 CONCLUSION AND RECOMMENDATIONS

5.1 Conclusion

The study explored how a change in macroeconomic variables influenced aggregate private investment growth in Kenya. It was established that fluctuations in key macroeconomic indicators such as interest rates, inflation, exchange rates, and GDP growth had significant implications on the investment climate. Private investors consistently responded to these shifts, adjusting their investment strategies based on perceived risks and opportunities. As a result, periods of macroeconomic stability tended to foster greater private sector investments, whereas volatility and uncertainty often dampened investor confidence and reduced aggregate private investment levels.

It was found that high and unpredictable inflation rates negatively affected private investment by eroding the real value of returns and creating an atmosphere of uncertainty. Similarly, unfavorable exchange rate movements, particularly depreciations, imposed additional costs on businesses reliant on imports for production, thereby constraining investment growth. Interest rate volatility equally emerged as a major deterrent to private investment, as high borrowing costs reduced the attractiveness of financing investment through credit. The relationship between macroeconomic stability and private investment growth therefore proved to be strong, underlining the sensitivity of the private sector to policy environments and economic fundamentals.

The study further revealed that economic growth, as indicated by rising GDP, had a positive effect on private investment activities. Strong economic performance signaled expanding market opportunities, encouraged business expansion, and enhanced investor optimism. However, it was also observed that the benefits of GDP growth to private investment were maximized when accompanied by complementary policies such as infrastructure development, political stability, and effective financial market regulation. In the absence of such supporting factors, the positive impacts of GDP growth on investment were often muted or delayed.

In sum, the findings suggested that macroeconomic policy formulation and implementation played a critical role in shaping private investment dynamics in Kenya. Investors were highly responsive to the broader economic environment, and their willingness to commit resources depended largely on the predictability, stability, and transparency of macroeconomic conditions. The study therefore underscored the need for consistent and investor-friendly macroeconomic policies to promote sustained private sector investment and, by extension, support broader economic development goals.

5.2 Recommendations

Based on the study's findings, it was recommended that policymakers prioritize maintaining macroeconomic stability as a strategy to promote aggregate private investment growth. Stability in inflation rates, interest rates, and exchange rates was deemed crucial to fostering an environment

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Vol. 5, Issue No. 3, pp 1 – 13, 2025

CARI Journals

www.carijournals.org

conducive to private sector confidence. It was emphasized that monetary authorities needed to exercise prudence in policy adjustments, ensuring that their actions minimized volatility and preserved investor expectations regarding the future value of returns. Through maintaining a predictable macroeconomic framework, governments could actively encourage long-term investment decisions by private entities.

In addition to macroeconomic stability, it was recommended that efforts be directed toward strengthening the resilience of financial markets. The study contributed to theory by emphasizing the interconnectedness of macroeconomic variables and private sector behavior within developing economies. It challenged traditional linear assumptions by illustrating the complex feedback loops between economic policy, investor perception, and investment outcomes. To advance practice, it was suggested that financial institutions develop more flexible credit products that could withstand macroeconomic shocks, thus ensuring continuous access to affordable financing for private investors even during periods of economic turbulence.

On the policy front, it was advised that structural reforms be accelerated, particularly those aimed at enhancing infrastructure, governance, and regulatory efficiency. These reforms were seen as critical in supporting the positive impacts of macroeconomic stability on private investment. The study enriched policy discourse by demonstrating that macroeconomic indicators alone were insufficient; instead, they needed to be complemented by sound institutional frameworks to achieve meaningful and sustainable investment growth. Government policies targeting corruption reduction, improved ease of doing business, and better enforcement of property rights were proposed as essential steps toward fostering an attractive investment environment.

The study also highlighted the importance of inclusive growth strategies. It was recommended that future economic policies deliberately incorporate measures that broaden the participation of various sectors and demographic groups in private investment activities. In terms of theory, this perspective added a socio-economic dimension to traditional macroeconomic-investment models by recognizing that equitable access to investment opportunities could amplify aggregate investment outcomes. Practically, targeted support programs for small and medium enterprises (SMEs), youth entrepreneurs, and women investors were advocated to ensure that private investment growth was widespread and resilient.

To further contribute to practice, it was proposed that public-private dialogues and partnerships be institutionalized as a regular feature of economic governance. These platforms would enable continuous feedback between policymakers and the private sector, thus allowing for the cocreation of responsive policies and the early identification of emerging challenges. From a theoretical viewpoint, the study advanced the idea that investment behavior could be significantly influenced not only by economic fundamentals but also by the quality of engagement between stakeholders and policymakers. Strengthened dialogue mechanisms would thus serve both as a buffer against economic shocks and as a catalyst for proactive policy formulation.

Finally, it was recommended that continuous research and data-driven policy analysis be embedded into the macroeconomic management framework. The study's contribution to theory lay in underscoring the dynamic and evolving nature of investment determinants, suggesting that static models were inadequate for informing long-term policy. Practically, establishing independent research institutions and enhancing the analytical capacities of existing bodies was proposed to ensure that policy responses remained evidence-based and forward-looking. In terms

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Vol. 5, Issue No. 3, pp 1 – 13, 2025

of policy contribution, this approach would allow for more agile and targeted interventions that could adapt to emerging economic trends, thus ensuring that Kenya's private investment trajectory remained on a sustainable upward path.



www.carijournals.org

ISSN 2789-3863 (Online)



Vol. 5, Issue No. 3, pp 1 – 13, 2025

REFERENCES

- Adegboye, A., Adegboye, K., Uwuigbe, U., Ojeka, S., & Fasanu, E. (2023). Taxation, democracy, and inequality in Sub-Saharan Africa: Relevant linkages for sustainable development goals. Politics & Policy, 51(4), 696–722. https://doi.org/10.1111/polp.12547
- Carrington, D. (2021, March 10). Governments failing to fulfil talk of green Covid recovery, UN warns. The Guardian. Retrieved from https://www.theguardian.com/environment/2021/mar/10/governments-failing-fulfil-talk-green-covid-recovery-un-warns
- Chang, K., Wan, Q., Lou, Q., Chen, Y., & Wang, W. (2019). Green fiscal policy and firms' investment efficiency: New insights into firm-level panel data from the renewable energy industry in China. Renewable Energy. https://doi.org/10.1016/j.renene.2019.11.064
- Department for Business, Energy & Industrial Strategy. (2020). Final UK greenhouse gas emissions national statistics: 1990 to 2019. Retrieved from <u>https://www.gov.uk/government/statistics/final-uk-greenhouse-gas-emissions-national-statistics-1990-to-2019</u>
- Department for Environment, Food & Rural Affairs. (2020). Environmental Land Management: policy discussion document. London: DEFRA.
- EY. (2023). Kenya publishes draft National Green Fiscal Incentives Policy Framework. Retrieved from https://taxnews.ey.com/news/2023-0313-kenya-publishes-draft-nationalgreen-fiscal-incentives-policy-framework
- Food and Agriculture Organization. (2017). Agroforestry for landscape restoration: Exploring the potential of agroforestry to enhance the sustainability and resilience of degraded landscapes. Rome: FAO.
- Food and Agriculture Organization. (2017). The State of Food and Agriculture: Leveraging food systems for inclusive rural transformation. Rome: FAO.
- He, L., Liu, R., Zhong, Z., Wang, D., & Xia, Y. (2019). Can green financial development promote renewable energy investment efficiency? A consideration of bank credit. Renewable Energy, 143, 974–984. https://doi.org/10.1016/j.renene.2019.11.064
- International Centre for Research in Agroforestry. (2019). Agroforestry in Brazil: Opportunities and challenges. Nairobi: ICRAF.
- Ministry of Agriculture, Forestry and Fisheries. (2018). Forest and Forestry White Paper. Tokyo: MAFF.
- Ministry of Economy, Trade and Industry. (2020). Green Growth Strategy Through Achieving Carbon Neutrality in 2050. Retrieved from https://www.meti.go.jp/english/policy/energy_environment/global_warming/ggs2050/ind ex.html
- Mol, A. P. J., & Sonnenfeld, D. A. (2000). Ecological Modernisation Around the World: An Introduction. Environmental Politics, 9(1), 3–16. https://doi.org/10.1080/09644010008414504

ISSN 2789-3863 (Online)



Vol. 5, Issue No. 3, pp 1 – 13, 2025

- Mueller, D. C. (2003). Public Choice III. Cambridge University Press. https://doi.org/10.1017/CBO9780511813771
- Nabieu, G. A. A., Bokpin, G. A., Osei, A. K., & Asuming, P. O. (2021). Fiscal rules, fiscal performance and economic growth in Sub-Saharan Africa. African Development Review, 33(4), 607–619. https://doi.org/10.1111/1467-8268.12595
- National Institute for Space Research. (2021). Mapping Tropical Forest Cover and Deforestation with Planet NICFI. Retrieved from https://mtcm21d.sid.inpe.br/attachment.cgi/sid.inpe.br/mtcm21d/2023/01.27.12.28/doc/remotesensing-15-00521.pdf
- Onyele, K., Onyekachi-Onyele, C., & Ikwuagwu, E. B. (2024). An Empirical Analysis on Institutional Quality, Fiscal Policy and Debt Sustainability in Sub-Saharan Africa (SSA). Journal of Governance Risk Management Compliance and Sustainability, 4(2), 16–31. https://doi.org/10.31098/jgrcs.v4i2.2178
- Petrie, M. (2021). The greening of fiscal policy is critically important for environmentally sustainable development. Global Initiative for Fiscal Transparency. Retrieved from https://fiscaltransparency.net/greening-fiscal-policy/
- Stern, D. I. (2018). Environmental Kuznets Curve. Reference Module in Earth Systems and Environmental Sciences. https://doi.org/10.1016/B978-0-12-409548-9.09521-6
- U.S. Department of Energy. (n.d.). Renewable Energy Pillar. Retrieved from https://www.energy.gov/eere/renewable-energy-pillar
- United Nations Environment Programme. (2015). Fiscal Policy Scoping Study: Kenya Working Paper. Nairobi: UNEP.
- United States Department of Agriculture. (2019). Agroforestry: USDA Agroforestry Strategic Framework, Fiscal Year 2019–2024. Washington, DC: USDA.
- Vitenu-Sackey, P. A., Oppong, S., & Akpemah Bathuure, I. (2021). The impact of green fiscal policy on green technology investment: Evidence from China. International Journal of Management Excellence, 16(3), 2348–2358. https://doi.org/10.17722/ijme.v16i3.1251
- World Agroforestry Centre. (2017). Agroforestry in Africa: A pathway to prosperity. Nairobi: ICRAF.
- World Agroforestry Centre. (2017). Transforming lives and landscapes with trees: ICRAF Annual Report 2017. Nairobi: ICRAF.