



# Evaluating the Impact of Entrepreneurship on Environmental Cleanliness in Lagos: A Case Study Approach

**Adedokun James Adekunle & Ezeoguine Juliana Akunnaya**  
*Educational Psychology Dept.; Federal College of Education*  
*(Technical), Akoka, Lagos.*  
*Home Economics Education Dept.; Federal College of Education*  
*(Technical), Akoka, Lagos.*

## KEYWORDS:

Entrepreneurship,  
 Environmental Cleanliness  
 and Environmental  
 Sustainability

## WORD COUNT:

209

## CORRESPONDING EMAIL ADDRESS:

jezeoguine@yahoo.com

## ORCID NUMBER:

## ABSTRACT

This study aims to assess the effectiveness of entrepreneurial initiatives in improving environmental cleanliness in Lagos and to identify key factors influencing the success of green entrepreneurship. Guided by four research questions, the study explores the impact of government policies and community engagement on sustainability efforts in the city. Employing an ex-post-facto research design, the study targeted stakeholders involved in environmental entrepreneurship across four Local Government Areas (LGAs) in Lagos: Mainland, Ikeja, Surulere, and Apapa. A total sample size of 320 participants was selected using purposive and stratified random sampling techniques, with 80 participants from each LGA. A structured questionnaire with 30 items was developed and validated by experts in entrepreneurship and environmental studies. The instrument demonstrated a reliability coefficient of 0.80. Data were collected through in-person administration and analyzed using descriptive statistics and F-tests to evaluate the hypotheses. The findings revealed that entrepreneurial initiatives significantly enhance environmental cleanliness, with 78.76% of respondents acknowledging positive impacts. Additionally, access to funding and supportive government policies were identified as critical factors for success. The study concludes that fostering community engagement and improving policy communication are essential for sustaining entrepreneurial efforts. Major recommendations include enhancing financial support for green entrepreneurs and implementing robust outreach programs to raise awareness of available government resources.

## HOW TO CITE

Adedokun J.A & Ezeoguine J.A. (2025). Evaluating the Impact of Entrepreneurship on Environmental Cleanliness in Lagos: A Case Study Approach. *Educational Perspectives*, 13(2), 545-556.



## Background of the Study

Entrepreneurship plays a vital role in economic development and sustainability, especially in rapidly urbanizing areas like Lagos, Nigeria. As one of the fastest-growing cities in the world, Lagos faces significant environmental challenges, including waste management, pollution, and inadequate infrastructure (Ogunleye et al., 2020). The city's burgeoning population, estimated at over 20 million, exacerbates these issues, leading to a pressing need for innovative solutions that can be provided by entrepreneurial ventures (World Bank, 2021). The relationship between entrepreneurship and environmental cleanliness is multifaceted. Entrepreneurs have the potential to introduce environmentally sustainable practices and technologies that can mitigate pollution and improve waste management systems (Kollmann & Kuckertz, 2017). For instance, startups focusing on recycling and waste reduction not only address local environmental issues but also create jobs and stimulate economic growth (Nwachukwu & Igbokwe, 2021). This aligns with the concept of "green entrepreneurship," which emphasizes the importance of environmental stewardship alongside economic profitability.

In Lagos, various entrepreneurial initiatives have emerged as responses to environmental challenges. These include businesses that promote the use of biodegradable materials, waste-to-energy projects, and sustainable urban farming. Such initiatives are essential in a city where traditional waste management systems are often overwhelmed (Ogunbode et al., 2019). The impact of these entrepreneurial activities on environmental cleanliness underscores the need for a systematic evaluation of their effectiveness and scalability. Moreover, government policies and regulations play a crucial role in shaping the entrepreneurial landscape in Lagos. The Lagos State Environmental

Protection Agency (LASEPA) has implemented several initiatives aimed at encouraging sustainable practices among businesses (LASEPA, 2022). However, the effectiveness of these policies in fostering a conducive environment for green entrepreneurship remains underexplored. A critical assessment of the interaction between policy frameworks and entrepreneurial activities will provide insights into the potential for improving environmental outcomes.

Public awareness and community engagement are also significant factors influencing the success of entrepreneurial ventures focused on environmental cleanliness. Educational campaigns and community-based initiatives can empower residents to participate in sustainability efforts, thereby enhancing the impact of entrepreneurial solutions (Adeyemi & Olayemi, 2020). Understanding the role of community involvement is essential for evaluating the long-term sustainability of these entrepreneurial initiatives. The cultural context of Lagos also affects how entrepreneurship interacts with environmental issues. In a city characterized by diverse socio-economic backgrounds, entrepreneurs must navigate various challenges, including access to financing, infrastructure deficits, and social acceptance of new practices (Okafor et al., 2021). This complexity necessitates a case study approach to capture the nuances of how different entrepreneurial models can impact environmental cleanliness in diverse settings. Recent studies have highlighted the potential of technology-driven solutions in addressing environmental challenges. Innovations such as mobile applications for waste collection and management systems have gained traction in urban areas (Akinola et al., 2023). These technologies not only enhance operational efficiency but also promote citizen engagement in environmental initiatives. Evaluating the role of technology in fostering entrepreneurship is crucial for understanding its



contribution to environmental cleanliness. Despite the promising developments, challenges remain. The lack of supportive infrastructure, inadequate funding, and limited access to markets can hinder the growth of environmentally-focused entrepreneurial ventures (Ojo & Olatunji, 2021). Identifying these barriers and exploring strategies to overcome them will be essential for maximizing the impact of entrepreneurship on environmental cleanliness in Lagos.

In summary, this study seeks to evaluate the impact of entrepreneurship on environmental cleanliness in Lagos through a case study approach. By examining various entrepreneurial initiatives and their outcomes, the research aims to provide valuable insights into how entrepreneurship can contribute to sustainable urban development. The findings will offer recommendations for policymakers, entrepreneurs, and stakeholders to enhance the effectiveness of environmental initiatives in the city.

### **Statement of the Problem**

Lagos, Nigeria's commercial nerve centre and one of Africa's fastest-growing cities, is grappling with severe environmental challenges stemming from rapid urbanization, population growth, and industrial expansion. The city produces an enormous volume of solid and liquid waste daily, much of which is not properly managed due to infrastructural deficits, institutional inefficiencies, and low public awareness. This has led to widespread environmental degradation, including clogged drainage systems, air and water pollution, and unsanitary living conditions. Traditional waste management strategies have proven inadequate in addressing these problems, necessitating alternative approaches that are both innovative and sustainable.

In response, a growing number of entrepreneurs in Lagos have ventured into environmentally focused businesses, offering creative solutions such as

recycling, composting, upcycling, and eco-friendly product development. These initiatives—collectively known as green or environmental entrepreneurship—hold promise for improving environmental cleanliness and creating employment. However, their overall impact remains underexplored, and there is limited empirical evidence on their effectiveness, sustainability, and scalability. Furthermore, many of these entrepreneurs face significant challenges such as limited access to funding, weak policy support, inadequate infrastructure, and low levels of community engagement. Understanding the extent to which these entrepreneurial efforts contribute to environmental cleanliness—and the factors that support or hinder their success—is critical to informing policy, encouraging innovation, and enhancing environmental management in Lagos.

### **Purpose of the Study and Research Objectives**

The purpose of this study is to evaluate the impact of entrepreneurship on environmental cleanliness in Lagos, focusing on identifying successful entrepreneurial models and understanding the barriers they face. The objectives include:

1. To assess the effectiveness of entrepreneurial initiatives in improving environmental cleanliness in Lagos.
2. To identify the key factors influencing the success of green entrepreneurship in the city.
3. To evaluate the role of government policies in supporting environmentally focused businesses.
4. To explore community engagement and its impact on the sustainability of entrepreneurial initiatives.

### **Research Questions**

1. How effective are entrepreneurial initiatives in enhancing environmental cleanliness in Lagos?
2. What key factors influence the success of green entrepreneurship in Lagos?



3. How do government policies affect the development of environmentally focused businesses?
4. In what ways does community engagement impact the sustainability of entrepreneurial initiatives?

### Hypotheses

**H0<sub>1</sub>:** Entrepreneurial initiatives do not significantly improve environmental cleanliness in Lagos.

**H0<sub>2</sub>:** Government policies do not have a significant positive effect on the development of environmentally focused businesses.

### Research Design

This study utilize ex-post-facto research design to examine the impact of entrepreneurship on environmental cleanliness in Lagos. This design is appropriate as it allows researchers to investigate the relationships between existing entrepreneurial initiatives and their environmental outcomes without manipulating variables. By analyzing data from previously implemented green entrepreneurship projects, such as waste management startups or recycling programs, the study assessed their effectiveness in improving environmental cleanliness. Researchers collected quantitative data on environmental metrics, such as waste reduction rates and pollution levels. This approach enables a comprehensive understanding of how different entrepreneurial activities relate to environmental improvements, providing valuable insights into the effectiveness of current practices and guiding future interventions.

### Population, Sample and Sampling Technique

The population for this study consisted of stakeholders involved in entrepreneurial activities related to environmental cleanliness within Lagos. These stakeholders include entrepreneurs, local government officials, community leaders, activists,

and residents across four Local Government Areas (LGAs): Lagos Mainland, Ikeja, Surulere, and Apapa. According to the National Population Commission (2021), Lagos has a population exceeding 20 million, with a significant proportion engaged in various entrepreneurial ventures. For this study, a total sample size of 320 participants was selected, with 80 participants from each LGA.

To ensure a representative sample, a combination of purposive and stratified random sampling techniques was employed. Purposive sampling was used to select specific individuals who are directly involved in green entrepreneurship or related government initiatives, ensuring that the sample includes knowledgeable and relevant participants. Four groups of respondents were selected as part of the sample: Entrepreneurs and Business Owners, Local Government Officials, Community Leaders and Activists, and Consumers and Residents. Subsequently, stratified random sampling was applied within each LGA to capture a diverse range of perspectives, including those from different socio-economic backgrounds and community roles.

### Instrument for Data Collection

For this study, a structured questionnaire was developed as the primary instrument for data collection. It consisted of 30 items divided into five sections, designed to collect comprehensive information relevant to the research objectives. The first section focused on bio-data information, capturing demographic details such as age, gender, educational background, occupation, and experience in entrepreneurship. This section consisted of 10 items aimed at understanding the characteristics of the participants. The subsequent four sections addressed each of the research questions, with five items dedicated to each area of inquiry. These sections utilized a four-point Likert scale format, allowing respondents to express their level of agreement with various statements related to the



effectiveness of entrepreneurial initiatives, factors influencing success, the impact of government policies, and the role of community engagement. The options include Strongly Agree (SA), Agree (A), Disagree (D), and Strongly Disagree (SD), facilitating a nuanced analysis of participant perceptions and experiences. The structured nature of the questionnaire will ensure consistency in responses, while the Likert scale will enable quantitative analysis of attitudes and beliefs regarding the impact of entrepreneurship on environmental cleanliness in Lagos

### **Validity and Reliability of the Instrument**

The 30-item structured questionnaire developed for this study was subjected to a thorough validation process to ensure its content, construct, and face validity. This validation was conducted by three highly experienced lecturers in the fields of entrepreneurship and environmental studies, who provided valuable feedback to refine the instrument. Additionally, a pilot test was carried out with 40 participants, comprising 10 individuals from each of the four selected Local Government Areas (LGAs). These participants were not included in the main study sample, ensuring that the pilot test results did not influence the primary data collection. The data collected from the pilot test were analyzed using the Split-half method to estimate the reliability of the questionnaire. The overall reliability coefficient was

calculated to be 0.80, indicating that the instrument is reliable and suitable for use in the main study.

### **Method of Data Collection and Data Analysis**

Following the validation of the instrument, the 30-item questionnaire was administered to the 320 selected participants, with 80 respondents from each LGA. A direct, in-person approach was employed by the researchers to facilitate the administration of the questionnaire. This method allowed for real-time clarification of questions and encouraged participant engagement. Of the 320 questionnaire copies distributed, 292 were successfully retrieved, ensuring a strong response rate. The questionnaire was completed partly by the researchers and partly by the respondents, ensuring accurate data collection. The data collected were then analyzed using descriptive statistics, including frequency (f), percentage (%), mean ( $\bar{x}$ ), and standard deviation (SD), providing a comprehensive overview of participants' responses. Additionally, the hypotheses formulated for the study were tested using the F-test, enabling a robust analysis of the relationships between entrepreneurship and environmental cleanliness in Lagos.

### **Research Question 1**

How effective are entrepreneurial initiatives in enhancing environmental cleanliness in Lagos?

**Table 1:** Effectiveness of Entrepreneurial Initiatives in Enhancing Environmental Cleanliness

S/N	Effectiveness of Entrepreneurial Initiatives	N	f	%	$\bar{X}$	SD
1	Entrepreneurial initiatives have improved environmental cleanliness.	292	220	75.34	3.5	0.63
2	My business contributes to reducing waste in my community.	292	210	71.91	3.4	0.58
3	I have observed a positive change in my environment due to entrepreneurship.	292	230	78.76	3.6	0.55
4	Collaborations with other businesses enhance environmental efforts.	292	200	68.49	3.3	0.64
5	My entrepreneurial activities are well-received by the community.	292	215	73.60	3.5	0.61
<b>Average / Mean</b>		<b>292</b>	<b>215</b>	<b>72.82</b>	<b>3.4</b>	<b>0.60</b>

The data presented in Table 1 indicate a generally positive perception of the effectiveness of entrepreneurial initiatives in enhancing environmental cleanliness in Lagos. With an average mean score of 3.4, respondents largely agreed that these initiatives have made a significant impact on improving environmental conditions. Notably, 78.76% of participants observed a positive change in their environment due to entrepreneurship, suggesting that these activities are effectively contributing to sustainability efforts. Additionally, the high percentages in responses regarding community contributions and positive reception of entrepreneurial activities reflect a strong community

engagement and support for green initiatives. The standard deviations, ranging from 0.55 to 0.64, indicate a relatively consistent agreement among respondents, underscoring the collective recognition of the role of entrepreneurship in fostering environmental cleanliness. Overall, the findings emphasize the importance of entrepreneurial actions in addressing environmental challenges in Lagos.

### Hypothesis 1

**H<sub>01</sub>:** Entrepreneurial initiatives do not significantly improve environmental cleanliness in Lagos.

**Table 2:** F-Test of Entrepreneurial Initiatives and Environmental Cleanliness

Source of Variance	Sum of Squares (SS)	Df	Mean Square (MS)	$\alpha$ -Level (P)	F- Calc.	F- Crit.	Remark
Between Group (Major)	120.50	3	40.17				
Within Group (Error)	220.00	288	0.76	0.05	52.89	2.84	H <sub>01</sub>
<b>TOTAL</b>	<b>340.50</b>	<b>291</b>					Rejected





The data presented in Table 2 indicate the results of an F-test conducted to assess the variance between entrepreneurial initiatives and their impact on environmental cleanliness in Lagos. The F-calculated value, recalculated as the ratio of the Mean Square for the between-group variance (40.17) to the Mean Square for the within-group variance (0.76), is now 52.89. This value exceeds the F-critical value of 2.84 at the  $\alpha$ -level of 0.05, leading to the rejection of the null hypothesis ( $H_{01}$ ). This suggests that there are significant differences in the effectiveness of entrepreneurial initiatives across the four sampled groups. The sum of squares for the

between-group variance (120.50) indicates that a substantial portion of the total variance (340.50) is attributed to differences between the groups, while the within-group variance (220.00) shows relatively consistent responses within each group. Overall, the findings imply that entrepreneurial initiatives significantly improve environmental cleanliness, highlighting the positive role of entrepreneurship in addressing environmental challenges in Lagos.

### Research Question 2

What key factors influence the success of green entrepreneurship in Lagos?

**Table 3: Factors Influencing the Success of Green Entrepreneurship in Lagos**

S/N	Factors Influencing Success	N	f	%	$\bar{X}$	SD
1	Access to funding is crucial for my business's success.	292	250	85.62	3.7	0.45
2	Market support significantly impacts my entrepreneurial activities.	292	240	82.19	3.6	0.50
3	Availability of resources (e.g., training, mentorship) aids success.	292	230	78.76	3.5	0.60
4	Networking opportunities are important for business growth.	292	220	75.34	3.4	0.55
5	Government incentives encourage the growth of green businesses.	292	235	80.82	3.6	0.52
	<b>Grand Mean</b>	<b>292</b>	<b>235</b>	<b>80.82</b>	<b>3.58</b>	<b>0.52</b>

The data in Table 3 highlight the key factors influencing the success of green entrepreneurship in Lagos. With a grand mean score of 3.58, respondents generally agree that access to funding is critical for their business success, as indicated by 85.62% of participants. Additionally, market support and government incentives are also viewed as significant contributors, with mean scores of 3.6. The responses suggest that while various resources, such as training and networking opportunities, play a role, financial support appears to be the most crucial factor. The

relatively low standard deviations indicate consistent agreement among respondents regarding the importance of these factors, emphasizing the necessity for supportive financial and market conditions to facilitate the growth of green entrepreneurship in Lagos.

### Research Question 3

How do government policies affect the development of environmentally focused businesses?

**Table 4:** Impact of Government Policies on Environmentally Focused Businesses

S/N	Impact of Government Policies	N	f	%	$\bar{X}$	SD
1	Government policies positively influence environmental entrepreneurship.	292	240	82.19	3.6	0.50
2	I am aware of government programs supporting green businesses.	292	220	75.34	3.4	0.55
3	Regulatory frameworks help in promoting sustainable practices.	292	250	85.62	3.7	0.45
4	Compliance with environmental regulations is manageable for my business.	292	210	71.91	3.3	0.60
5	Government efforts in waste management support my entrepreneurial activities.	292	230	78.76	3.5	0.52
	<b>Grand Mean</b>	<b>292</b>	<b>226</b>	<b>77.48</b>	<b>3.51</b>	<b>0.52</b>

Table 4 presents the impact of government policies on the development of environmentally focused businesses. The grand mean score of 3.51 indicates a generally positive perception of government policies among respondents. Notably, 85.62% agree that regulatory frameworks promote sustainable practices, highlighting the importance of supportive legislation. Additionally, a significant portion (82.19%) acknowledges that government policies positively influence environmental entrepreneurship. However, the lower percentages regarding awareness of government programs (75.34%) and manageability of compliance (71.91%) suggest areas

for improvement in communication and support. Overall, the findings emphasize the critical role of government policies in fostering a conducive environment for green entrepreneurship, while also indicating the need for more effective outreach and support mechanisms to enhance awareness and compliance among entrepreneurs.

### Hypothesis 2

**H0<sub>2</sub>:** Government policies do not have a significant positive effect on the development of environmentally focused businesses.

**Table 5:** F-Test of Government Policies and Development of Environmentally Focused Businesses

Source of Variance	Sum of Squares (SS)	Df	Mean Square (MS)	$\alpha$ -Level (P)	F- Calc.	F- Crit.	Remark
Between Group (Major)	150.40	3	50.13				
Within Group (Error)	250.00	288	0.87	0.05	57.65	2.73	<b>H0<sub>2</sub> Rejected</b>
<b>TOTAL</b>	<b>400.40</b>	<b>291</b>					





The data in Table 5 present the results of an F-test conducted to analyze the effect of government policies on the development of environmentally focused businesses. The F-calculated value, recalculated as the ratio of the Mean Square for the between-group variance (50.13) to the Mean Square for the within-group variance (0.87), is now 57.65. This value is significantly higher than the F-critical value of 2.73 at the  $\alpha$ -level of 0.05, leading to the rejection of the null hypothesis ( $H_0$ ). This indicates that government policies do have a significant positive effect on the development of environmentally focused businesses. The between-

group sum of squares of 150.40 suggests substantial variance attributed to differences between the groups, while the within-group sum of squares of 250.00 indicates consistent responses within each group. Overall, these findings underscore the pivotal role of government policies in facilitating the growth of environmentally focused businesses, reinforcing the need for supportive legislative frameworks to promote sustainability in Lagos.

#### Research Question 4

In what ways does community engagement impact the sustainability of entrepreneurial initiatives?

**Table 6:** Impact of Community Engagement on the Sustainability of Entrepreneurial Initiatives

S/N	Community Engagement	N	f	%	$\bar{X}$	SD
1	Community involvement enhances the effectiveness of my initiatives.	292	240	82.19	3.6	0.50
2	Residents actively participate in environmental programs.	292	220	75.34	3.4	0.55
3	Public awareness campaigns influence my business positively.	292	250	85.62	3.7	0.45
4	Feedback from the community helps improve my business practices.	292	230	78.76	3.5	0.52
5	Collaborating with local organizations boosts my entrepreneurial efforts.	292	215	73.60	3.5	0.61
	<b>Grand Mean</b>	<b>292</b>	<b>225</b>	<b>77.67</b>	<b>3.52</b>	<b>0.53</b>

Table 6 illustrates the impact of community engagement on the sustainability of entrepreneurial initiatives. The grand mean score of 3.52 reflects a generally positive perception of community involvement among respondents. Notably, 85.62% of participants indicated that public awareness campaigns positively influence their businesses, highlighting the importance of outreach efforts. Additionally, 82.19% agreed that community involvement enhances the effectiveness of their initiatives, which underscores the significance of local engagement in achieving entrepreneurial goals.

The responses also indicate that feedback from the community and collaboration with local organizations are seen as valuable components for improving business practices and boosting entrepreneurial efforts. Overall, these findings emphasize the critical role of community engagement in fostering sustainable entrepreneurial initiatives, suggesting that effective collaboration between businesses and local communities can lead to enhanced environmental and economic outcomes.



### Discussion of the Findings

The findings regarding the effectiveness of entrepreneurial initiatives in enhancing environmental cleanliness align with previous research indicating that such initiatives can lead to positive ecological outcomes. For instance, Kuckertz et al. (2017) highlight the role of entrepreneurship in driving sustainability, asserting that businesses can significantly contribute to environmental improvements. This study's average mean score of 3.4 and the high percentage of participants observing positive changes corroborate the idea that entrepreneurial activities are instrumental in fostering sustainable practices in urban settings (Hall et al., 2019).

In examining the factors influencing green entrepreneurship success, the emphasis on funding resonates with findings by Roper and Turner (2018), who noted that financial resources are essential for the viability of sustainable business models. The grand mean score of 3.58 observed in this study reflects a consensus among respondents on the necessity of financial support, which is crucial for overcoming barriers to green entrepreneurship. This is consistent with the literature suggesting that access to funding and market support significantly enhances the potential for environmentally focused ventures to thrive (Mazzucato, 2018).

The positive perception of government policies, as indicated by the grand mean score of 3.51, supports other studies that emphasize the importance of regulatory frameworks in promoting sustainable entrepreneurship (Hockerts & Wüstenhagen, 2018). The rejection of the null hypothesis ( $H_0$ ) suggests that government initiatives play a critical role in facilitating environmentally focused businesses. However, the lower awareness and compliance rates signal a need for improved communication strategies, echoing the findings of González and Noy

(2020), who advocate for enhanced outreach to ensure that entrepreneurs are well-informed about available resources.

Finally, the significant role of community engagement in sustaining entrepreneurial initiatives is supported by research that highlights the importance of local involvement in achieving sustainable outcomes (Pacheco et al., 2019). The grand mean score of 3.52 indicates a strong recognition of community contributions, which aligns with the literature suggesting that collaboration between businesses and local stakeholders is essential for the success of environmental initiatives (González & Noy, 2020). This finding underscores the necessity for businesses to actively engage with their communities to foster sustainable practices and enhance overall effectiveness.

### Conclusions

This study has effectively assessed the effectiveness of entrepreneurial initiatives in improving environmental cleanliness in Lagos. The findings indicate a strong positive perception among respondents regarding the impact of these initiatives on local environmental conditions. With an average mean score reflecting significant agreement, it is clear that entrepreneurial actions are contributing meaningfully to sustainability efforts in the region. Furthermore, the research identified key factors influencing the success of green entrepreneurship, with access to funding being paramount. The majority of participants emphasized the critical need for financial resources, market support, and government incentives to foster the growth of environmentally focused businesses. These insights highlight the importance of creating a conducive environment for green entrepreneurs, which is essential for the long-term success of sustainable initiatives.



The role of government policies emerged as a pivotal aspect of the study. Participants acknowledged that supportive regulatory frameworks significantly influence the development of environmentally focused businesses. However, the findings also revealed gaps in awareness and compliance, suggesting that enhancing communication and outreach efforts is necessary to ensure entrepreneurs are well-informed about available resources.

Lastly, community engagement was shown to be integral to the sustainability of entrepreneurial initiatives. The strong correlation between community involvement and the effectiveness of business practices underscores the importance of collaboration between entrepreneurs and local stakeholders. By fostering such partnerships, Lagos can enhance its efforts toward environmental sustainability and create a more resilient entrepreneurial ecosystem.

### Recommendations

1. Government and local authorities should create and implement programs that specifically support entrepreneurial initiatives focused on environmental cleanliness. This could include funding opportunities, grants, and tax incentives to encourage innovation in sustainable practices.
2. Financial institutions should develop tailored financial products that cater to green entrepreneurs. Initiatives such as microloans and venture capital specifically aimed at environmentally focused businesses can help remove financial barriers and promote growth.
3. Policymakers should review and strengthen existing regulations to create a more supportive environment for environmentally focused businesses. This includes simplifying compliance processes and increasing awareness of available government programs among entrepreneurs.
4. Businesses should actively engage with local communities to foster collaboration on sustainability initiatives. This can be achieved through public awareness campaigns, workshops, and partnerships with community organizations to enhance participation and feedback.
5. To ensure the success of green entrepreneurship, training programs should be established to equip entrepreneurs with the necessary skills and knowledge. Topics could include sustainable business practices, marketing strategies for green products, and community engagement techniques.
6. Local governments and NGOs should launch awareness campaigns to educate the public about the benefits of green entrepreneurship and environmental sustainability. Increased awareness can lead to greater community support and participation in sustainable initiatives.
7. Establish platforms for networking among entrepreneurs, investors, and local organizations to foster collaboration, share best practices, and create synergies in promoting sustainable entrepreneurship.
8. Continuous monitoring and evaluation of entrepreneurial initiatives should be conducted to assess their impact on environmental cleanliness. This data can inform policy adjustments and improve the effectiveness of future programs.

### References

- Adeyemi, A. & Olayemi, A. (2020). Community Engagement in Environmental Sustainability: A Case Study of Lagos. *Environmental Management Journal*, 45(3), 234-247.
- Akinola, O., Ibrahim, M., & Ojo, S. (2023). Technological Innovations in Waste Management: Impacts on Urban Cleanliness in Lagos. *Journal of Urban Technology*, 30(1), 52-66.
- González, A., & Noy, I. (2020). Community engagement and the role of local stakeholders in sustainable development. *Sustainability*, 12(5), 1852.



- Hall, J. K., Daneke, G. A., & Lenox, M. (2019). Sustainable innovation during institutional upheaval: The role of entrepreneurship and institutional change. *Journal of Business Venturing*, 34(5), 101-128.
- Hockerts, K., & Wüstenhagen, R. (2018). Greening Goliaths versus David: The role of entrepreneurial orientation in sustainable innovation. *Journal of Business Research*, 86, 210-222.
- Kollmann, A., & Kuckertz, A. (2017). The Role of Entrepreneurship in Sustainable Development. *Sustainability*, 9(4), 601.
- Kuckertz, A., Hinderer, N., & Hockerts, K. (2017). Sustainable entrepreneurship: A review of the literature. *International Journal of Entrepreneurial Behavior & Research*, 23(4), 603-615.
- Lagos State Environmental Protection Agency (LASEPA). (2022). *Annual Report on Environmental Initiatives*. Lagos: LASEPA.
- Mazzucato, M. (2018). *The Value of Everything: Making and Taking in the Global Economy*. Penguin.
- National Population Commission. (2021). *Population and Housing Census of Nigeria*. Abuja: National Population Commission.
- Nwachukwu, N., & Igbokwe, I. (2021). Green Entrepreneurship as a Catalyst for Sustainable Development in Nigeria. *Journal of Business and Management*, 23(2), 112-125.
- Ogunbode, E., Alabi, O., & Adeyemo, A. (2019). Waste Management Challenges in Lagos: The Role of Entrepreneurship. *Waste Management Review*, 67(1), 89-98.
- Ogunleye, O., Owoade, O., & Afolabi, A. (2020). Urbanization and Environmental Quality in Lagos: An Empirical Analysis. *Urban Studies Journal*, 57(10), 2109-2125.
- Ojo, J., & Olatunji, O. (2021). Barriers to Green Entrepreneurship in Nigeria: A Case Study of Lagos State. *International Journal of Entrepreneurship and Small Business*, 43(3), 295-311.
- Okafor, C., Eze, E., & Obi, C. (2021). Socio-Economic Factors Affecting the Growth of Green Entrepreneurship in Lagos. *African Journal of Business Management*, 15(5), 45-57.
- Pacheco, D. F., Dean, T. J., & Payne, D. (2019). Escaping the green prison: Entrepreneurship and the sustainability challenge. *Strategic Entrepreneurship Journal*, 13(2), 194-213.
- Roper, S., & Turner, J. (2018). The role of finance in sustainable innovation. *Technological Forecasting and Social Change*, 132, 192-201.
- World Bank. (2021). *Lagos: Urbanization and Environmental Challenges*. Washington, D.C.: World Bank Publications.