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COLLEGE OF POSTGRADUATE STUDIES

2022/2023 PhD Thesis Abstract

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RT: Green Intellectual Capital and Business Sustainability of Listed Manufacturing Firms in Nigeria

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AB: Business sustainability engenders the maximization of firms' value, shareholders' wealth and contributes to the growth and development of a nation. Studies have proved that insecurity, high cost of operations, unfriendly regulations, foreign exchange volatility and dilapidated infrastructure have effects on sustainability of manufacturing firms in Nigeria. Literature opined that Green Intellectual Capital can affect business sustainability with strategies that rely on current and future capabilities and resources. However, not many manufacturing companies have adopted the GIC as a financial tool of corporate competitive advantage for business sustainability. This study examined the effect of green intellectual capital GIC on the business sustainability (Economic sustainability, Social sustainability, Environmental sustainability, Customers' perspectives, Internal business processes, Learning and innovation) of listed manufacturing firms in Nigeria.

The study adopted a survey research design. The population comprised 53,404 staff of different categories in listed manufacturing firms in Nigeria exchange as at 31st December 2022. A sample size of 665 was determined using the adjusted Taro Yamane formula. Stratified and random sampling techniques were adopted to select the respondents. A structured and validated questionnaire was used to obtain data from the respondents with a response rate of 83%. The Cronbach alpha reliability coefficients ranged from 0.764-0.916. Descriptive and inferential (multiple regression) statistics were used to analyse the data at a 5% level of significance.

The results revealed that GIC had a significant effect on economic sustainability ($Adj.R^2 = 17.8$, $F(6, 421) = 16.50$, $p < 0.05$), social sustainability ($Adj.R^2 = 34.1$, $F(6, 421) = 37.80$, p

< 0.05), environmental sustainability ($Adj.R^2 = 42.3$, $F(6, 421) = 53.18$, $p < 0.05$), customers' perspectives ($Adj.R^2 = 18.3$, $F(6, 420) = 16.89$, $p < 0.05$); internal business processes ($Adj.R^2 = 30.3$, $F(6, 421) = 31.96$, $p < 0.05$) learning and innovation ($Adj.R^2 = 29.2$, $F(6,420) = 30.28$, $p < 0.05$) and organisational learning capabilities had a significant moderating influence on the effect of GIC on business sustainability of the listed manufacturing companies ($Adj.R^2 = 48.9$, $F(7, 418) = 59.10$, $p < 0.05$).

The study concluded that green intellectual capital enhanced business sustainability in listed manufacturing companies in Nigeria. The study recommended that management of listed manufacturing firms in Nigeria should incorporate green intellectual capital in their operations in order to enhance business sustainability.

Keywords: Business sustainability, Environmental Sustainability, Green innovation, Green intellectual capital, Organisational learning capabilities, Social Sustainability

Word Count: 373

Abbreviations: *RFN: Researcher's Full Name, RD: Researcher's Department, RS: Researcher's School, RE: Researcher's Email, RAE: Researcher's Alternate Email, RP: Researcher's Phone Contact, RT: Registered Title, MS: Main Supervisor, ME: Main Supervisor's E-mail Address, SP: Main Supervisor's Phone Contact, CS: Co-Supervisor, CE: Co-Supervisor's E-mail Address, CP: Co-Supervisor's Phone Contact, AB: Abstract*

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