



**KU8**  
Consortium of  
Universities in Kwara

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# **LEAN MANAGEMENT PRACTICE AND THE PERFORMANCE OF PUBLIC UNIVERSITIES IN SOUTH-WEST, NIGERIA**

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by

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# INTRODUCTION/BACKGROUND

The need for University management to increasingly deal with resources management issues such as capacity planning, quality service delivery and cost efficiency

Essential of Lean management to strategic resources management:

- ❖ Reduce waste
- ❖ Lessen Administrative Burden,
- ❖ Promote Trust, Transparency, and Accountability

Lean  
Management  
Practice and  
University  
Performance:  
Towards  
Attaining  
Operational cost  
efficiency

The Gap: Attempts have been made in recent years to transfer lean management principles and practice to higher education sector with indications of mixed consequences and debate over its suitability and effects

The specific objective: to examine the extent to which dimensions of lean management influence operational cost efficiency of public universities in South-West, Nigeria.



# MATERIALS AND METHODS

- ❖ **Design: Survey Research Design**
- ❖ **Study Population: 12,844 academic staff of the 18 public Universities in Southwest, Nigeria (NUC, 2021)**
- ❖ **Sampling: Multi Stage Sampling Procedure**
- ❖ **Sample Size: 93 HODs 889 formed the sample size for the study using Chronback sample size determination formular**
- ❖ **Data Collection Method: Primary data were collected through questionnaire administration**
- ❖ **Method of Data Analysis: Multiple Regression Analysis**

# RESULTS AND DISCUSSION

**Table 4.5** **Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.845 <sup>a</sup>	.714	.710	.216

a. Predictors: (Constant), ValDen, VaStrMap, ConWor, PulSys, ConImp  
Source: Researcher's Computation, 2023

**Table 4.6** **ANOVA<sup>a</sup>**

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	450.014	5	90.003	318.923	.000 <sup>b</sup>
	Residual	93.129	330	.282		
	Total	543.143	335			

a. Dependent Variable: OpCosEff  
b. Predictors: (Constant), ValDen, VaStrMap, ConWor, PulSys, ConImp

**Table 4.7** **Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	7.169	.144		49.702	.000
	ValDen	.859	.042	.792	20.255	.000
	VaStrMap	.113	.039	.102	2.866	.004
	ConWor	.253	.028	.273	9.107	.000
	PulSys	.020	.025	.022	.793	.429
	ConImp	.122	.025	.128	4.854	.000

a. Dependent Variable: OpCosEff  
Source: Researcher's Computation, 2023



# CONCLUSION AND RECOMMENDATION

- ❖ **The study concludes that lean management practice is a viable tool that significantly influences operational cost efficiency. Thus, it will be a viable management technique that provides the opportunity to address some of the inefficiencies around work processes and practices in university institutions.**
- ❖ **In the light of the foregoing, the following specific recommendations are made:**
- ✓ **The study findings pointed out that pull system as a construct of lean management contributed the least to operational cost efficiency. Thus, universities should re-define this construct to be more effective and efficient, so as to significantly contribute to work processes in the university.**

**Among others**



Appreciations.....!

**Thank You for Listening !!!**