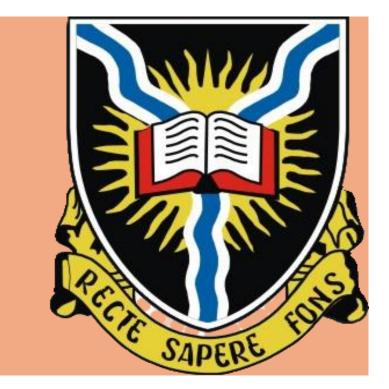


Consumers' willingness to pay for certified and hygienically handled smoked catfish in Ibadan North local government area,

Oyo state, Nigeria

Adeyinka E. Adediwura¹, Siyanbola A. OMITOYIN², Temitayo A. ADEYEMO¹



INTRODUCTION

Background

- Value addition in agrifood systems is required to enhance livelihood, nutrition, and sustainability outcomes.
- Smoking catfish is a popular value-addition method in Nigeria,
- However, there are concerns about the health risks due to reported unhygienic handling and contamination.

Objective

This research aimed to investigate consumers' willingness to pay (WTP) for certified and hygienically handled smoked catfish.

METHODOLOGY

> Study Area

- Ibadan North Local Government Area, Oyo state, Nigeria
- > Sampling Procedure
 - Multi-staged sampling involving random and stratified sampling to select 130 households

> Data Collection and Analysis

- Data was collected from household respondents using semistructured questionnaire
- Data was analyzed using descriptive statistics, contingent valuation method, and Heckman Model

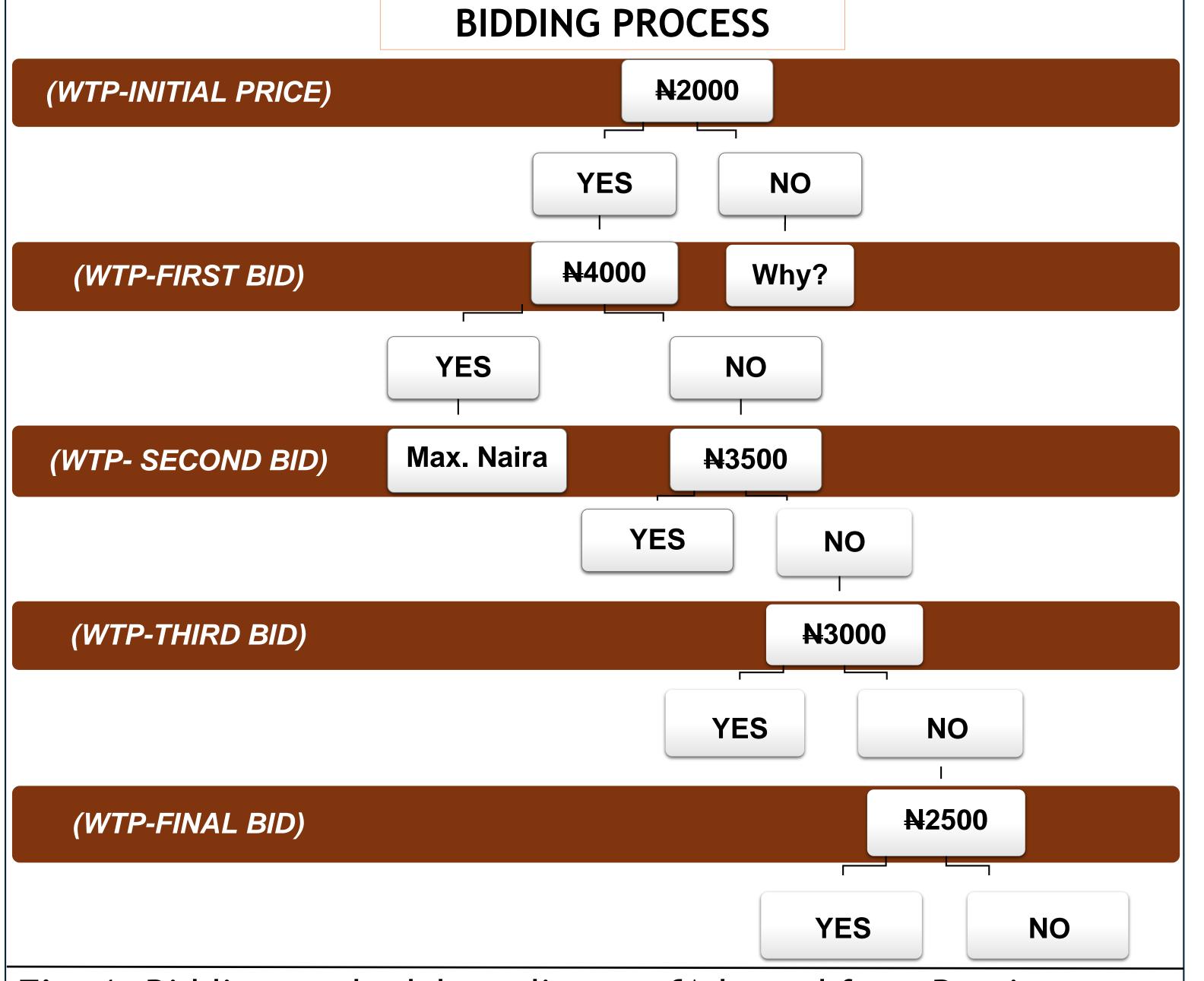


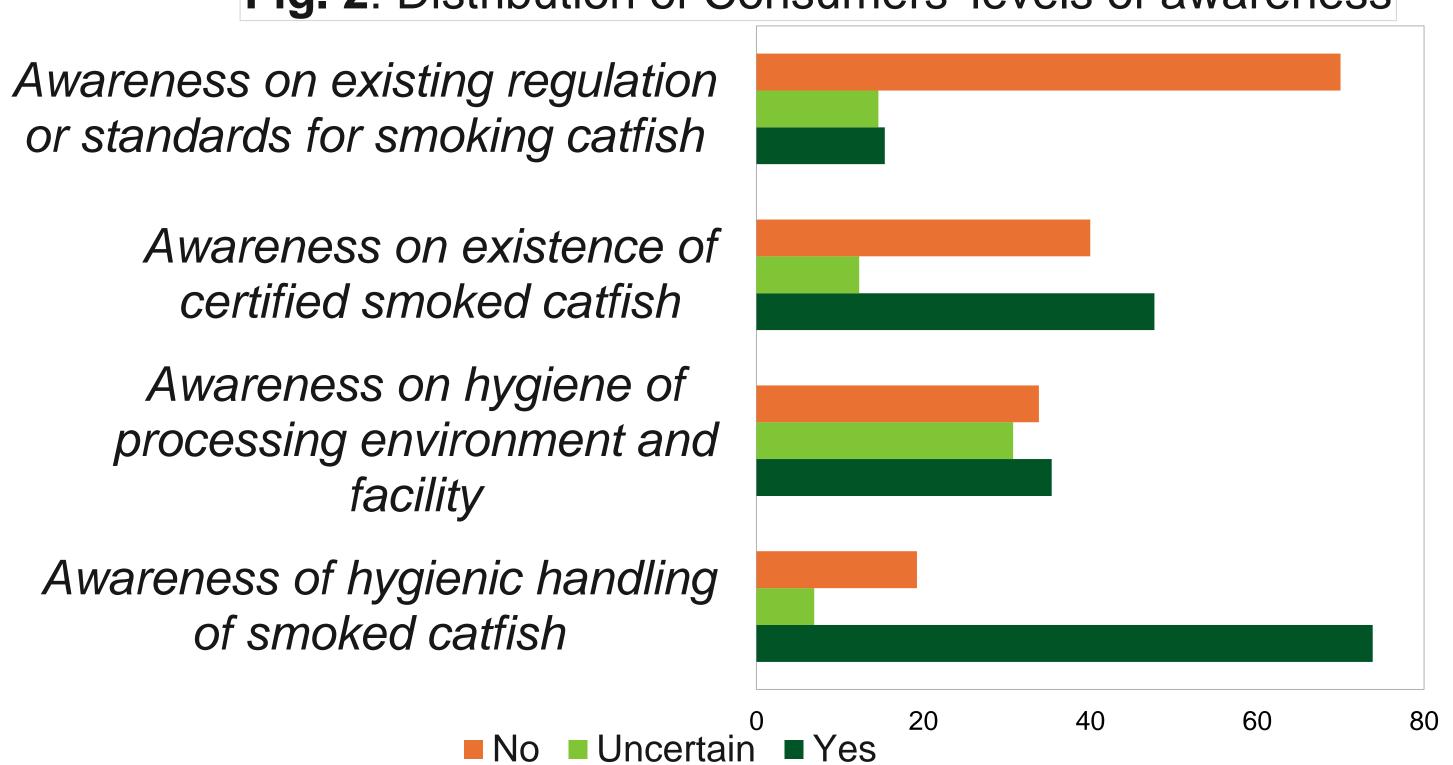
Fig. 1: Bidding methodology diagram {Adapted from Borzino et al., (2020)}

RESULTS

- I. Consumers exhibited a limited understanding of regulatory frameworks, indicating a potential knowledge gap regarding the role of standards in safeguarding product safety.
- II. Hygiene-based attributes have a greater consumer valuation than certification, as evidenced by a higher willingness to pay for hygienically produced smoked catfish.
- III. Socio-economic factors, awareness, sales point proximity, and quality perception significantly influences WTP and the premium for certified and hygienically handled smoked catfish.

I. Awareness





II. Mean WTP (\frac{\text{\text{\$\mathbb{H}\$}}}{})

WTP	Mean (₩)	Std. Dev.	% Increase
Hygienically handled smoked catfish	2,905.39	1143.93	45.3
Certified smoked catfish	2,399.99	1490.069	19.9

III. WTP (%)

WTP	Hygienically handled	Certifed
Yes (%)	90.77	76.92
No (%)	9.23	23.08

> IV. Factors influencing WTP and the premium consumers will pay for certified and hygienic smoked catfish

andled		Certified		
Coeff.	Std. err.	WTP (0/1)	Coeff.	Std. err
1.208***	0.29	Marital status	-0.857**	0.39
-0.251***	0.029	Monthly household income	0.392***	0.13
0.377***	0.092	Perception	0.512***	0.17
		on product		
		safety		
1.47***	0.27			
0.366***	0.06			
0.528***	0.2			
Coeff.	Std. err.	Premium (\(\frac{\frac}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}\fint}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}{\frac{\frac{\frac{\frac}{\frac{\frac{\fin}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}{\frac{\frac{\frac{\frac{\frac{\frac}{\frac{\frac}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}{\frac{\frac{\frac{\frac{\frac}}}{\frac{\frac{\	Coeff.	Std. err
54.058***	18.18	Frequency of	-219.77**	111
	Coeff. 1.208*** -0.251*** 1.47*** 0.366*** 0.528*** Coeff.	Coeff. Std. err. 1.208*** 0.29 -0.251*** 0.029 0.377*** 0.092 1.47*** 0.27 0.366*** 0.06 0.528*** 0.2	Coeff. Std. err. WTP (0/1) 1.208*** 0.29 Marital status -0.251*** 0.029 Monthly household income 0.377*** 0.092 Perception on product safety 1.47*** 0.27 0.366*** 0.06 0.528*** 0.2 Coeff. Std. err. Premium (♣)	Coeff. Std. err. WTP (0/1) Coeff. 1.208*** 0.29 Marital status -0.857** -0.251*** 0.029 Monthly 0.392*** household income 0.377*** 0.092 Perception on product safety 1.47*** 0.27 0.366*** 0.06 0.528*** 0.2 Coeff. Std. err. Premium (♣) Coeff.

6.40*** -260.39*** 0.11 100.755 Perception on product safety 225.26 706.31 44.74 256.39 Lambda

purchase

perception

Quality

CONCLUSION

116.81 *Arthro*

Improved consumer education and awareness, coupled with enhanced processing standards and strategic market access, are crucial for catfish value chain sustainability.

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Perception on -216.14***

-16.06

product safety

Age

Lambda

Athrho

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+2348162121383 +2348052106157

1288.77***

-0.365

466.04

0.334

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