VISUAL PERCEPTION AND EVALUATION OF CHILD FOOD PACKAGING DESIGN BY CUSTOMERS IN NORTHERN BENIN

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INTRODUCTION

Food packaging

- \succ has its original role in product preservation and portion control \downarrow
- \succ provides factual information about the product

OBJECTIVE

Investigating visual perception and evaluation of existing child food packaging in northern Benin to empower women to successfully compete in the market by creating their own attractive packaging designs for their handmade, nutritious child food

> attracts visual attention and triggers affective reactions

Multinational food companies use targeted visual cues on child food packaging to appeal (emotionally) to children and their parents. Local child food producers also need attractive and informative packaging

tailored to the target group(s) to successfully launch their products.



products.

Questions to be answered:

- \succ How do mothers visually perceive child food packaging designs?
- \succ Why do design elements attract visual attention?
- \succ How does the appeal of different child food packaging vary?

METHODS

- > Fifteen women between the ages of 25 and 44 with children under the age of five, from Parakou, northern Benin, participated in the study
- > Five child food packagings were investigated: one domestic product (BeauBebe), one based on own previous research (Farine infantile), three products of multinational producers (Bledine, Cerelac, Phosphatine)





1. Eye-Tracking

2. Evaluation of packaging



3. Discussion based on eye-tracking recordings

RESULTS

Gaze behaviour

heatmap of Cerelac and number of participants who noticed the respective area of interest



product logo: time to first fixation

	10.000			
	,			*
spc	8 000			
P	8,000			

Evaluation of packaging designs

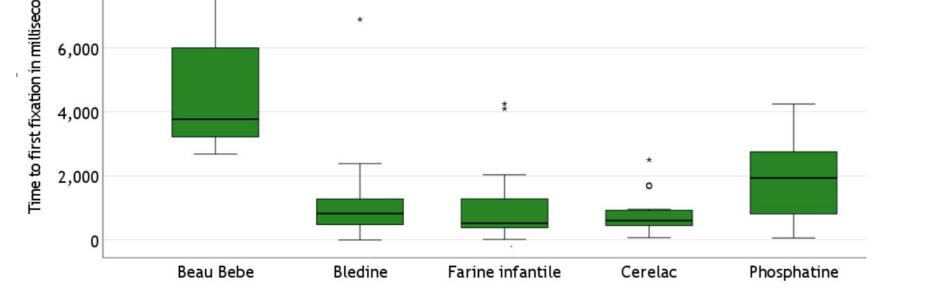
participants product ratings

Child food product	Packaging design	Rating Mean (SD)	Ranking
Cerelac (multinational)		4.73 (0.46)	1.
Phosphatine (multinational)	Exercise PHOESENATIONE References	4.47 (0.83)	2.
Bledine (multinational)	Blédine	4.13 (0.64)	3.
BeauBebe (domestic)		3.73 (1.16)	4.
Farine infantile (own design)	farines	3.00 (1.07)	5.

CONCLUSIONS

- Appropriate positioning of product name/logo
- \succ Intense colours
- Inviting cartoon character
- Pictorial representation of ingredients \succ
- Quality seal/certificate \triangleright





importance of Beau Bebe's product seal

CALLER T /	Number of participants	Rating Mean (SD)
Logo not seen	9	3.33 (1.22)
Logo seen	6	4.33 (0.82)
t-test: p = 0.1		

rmANOVA: p < 0.001

Discussion of packaging

- > Cerelac: popular product, colours and product logo are highly appreciated, funny mascot
- > Phosphatine: name and information about fortification indicate a healthy product for children; lion represents power
- > Bledine: heart shape of product logo and mascot are attractive
- > Beau Bebe: the well-nourished baby suggests nutritious food for children; quality seal builds trust

