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**I-INTRODUCTION II-MATERIAL AND METHODS III-RESULTATS CONCLUSION AND PERSPECTIVES**  Specialized food products (SFP) such as PlumpyNut, Sup Plumpy and com Soya Blend are unequally distributed in areas with high prevalence of malnutrition. Services providing these products often experience shortages that not only endanger children who are undergoing nutritional teatment and especially those who should have access to them (Doumbia, 2008; Dembélé, 2012; ). One of the reasons for these breaks is the shortage of the raw materials necessary for the manufacture of these products. The diversification of these raw materials is therefore a way to explore. This study aims to evaluate the nutritional performance of diets based on local products in the nutritional management of malnourished rats.

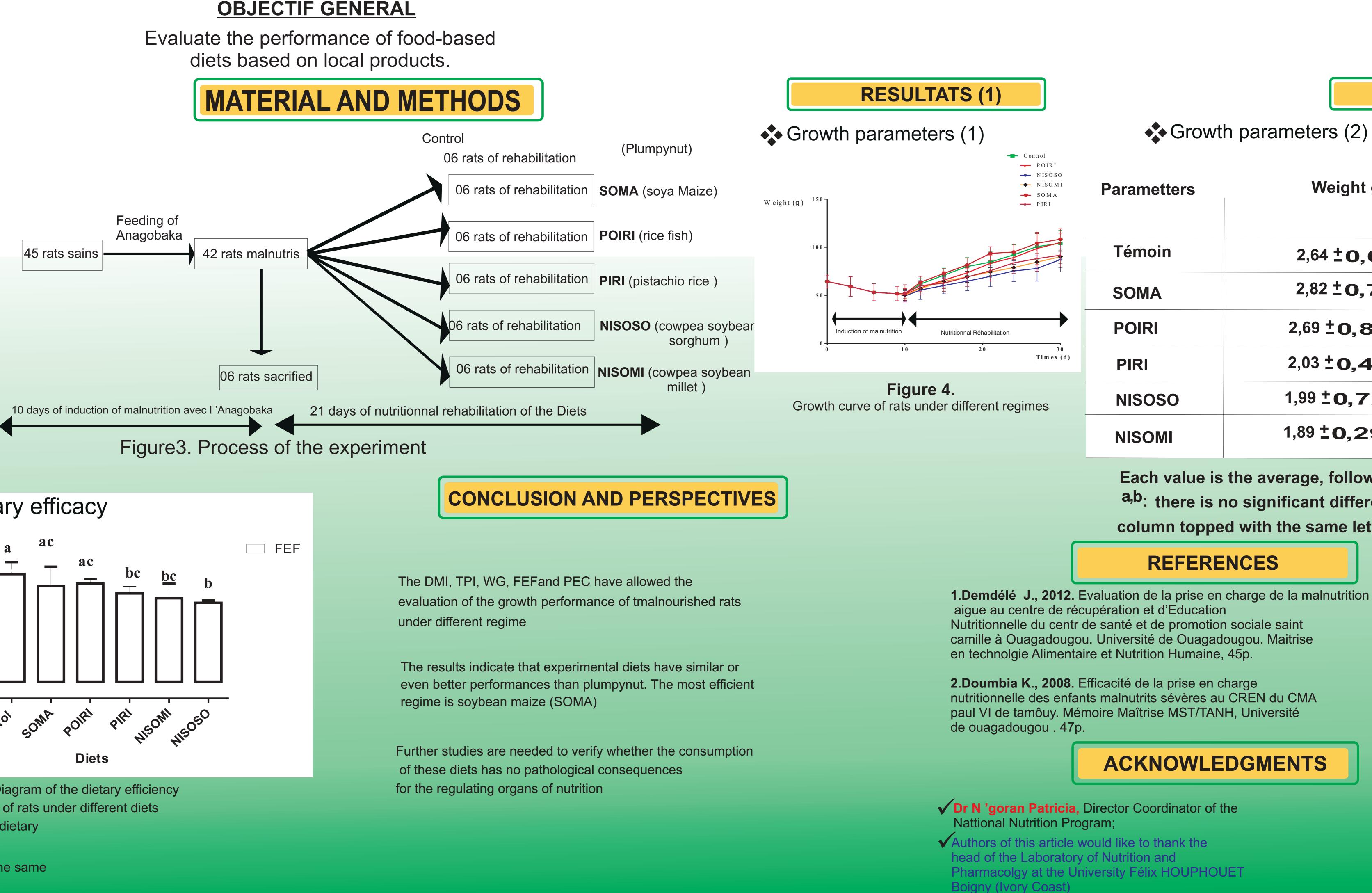
MATERIAL AND METHODS



Figure 1.Box of the Anagobaka

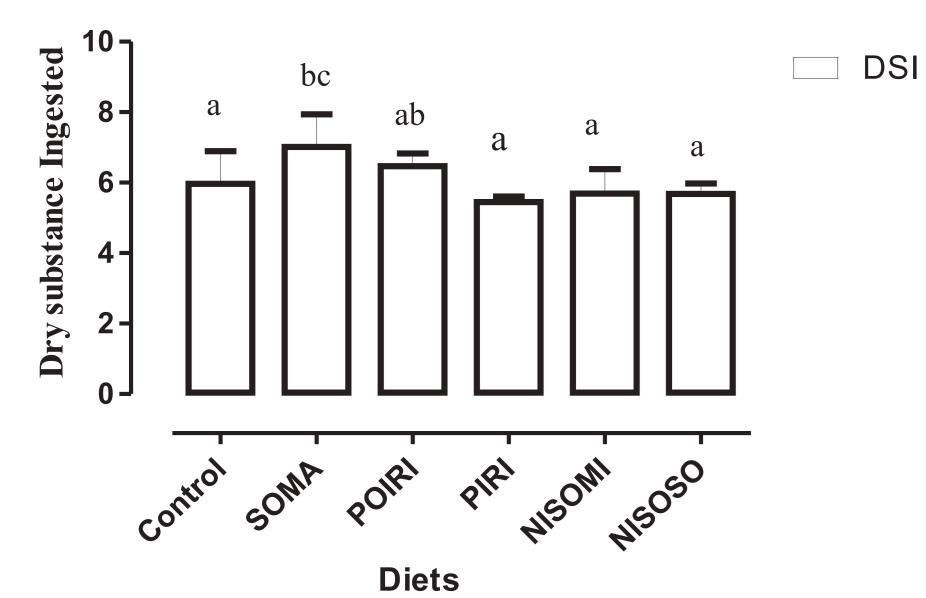


Figure 2. plumpynut bag



## **RESULTATS (3)**

### dry substance ingested and coefficient of dietary efficacy



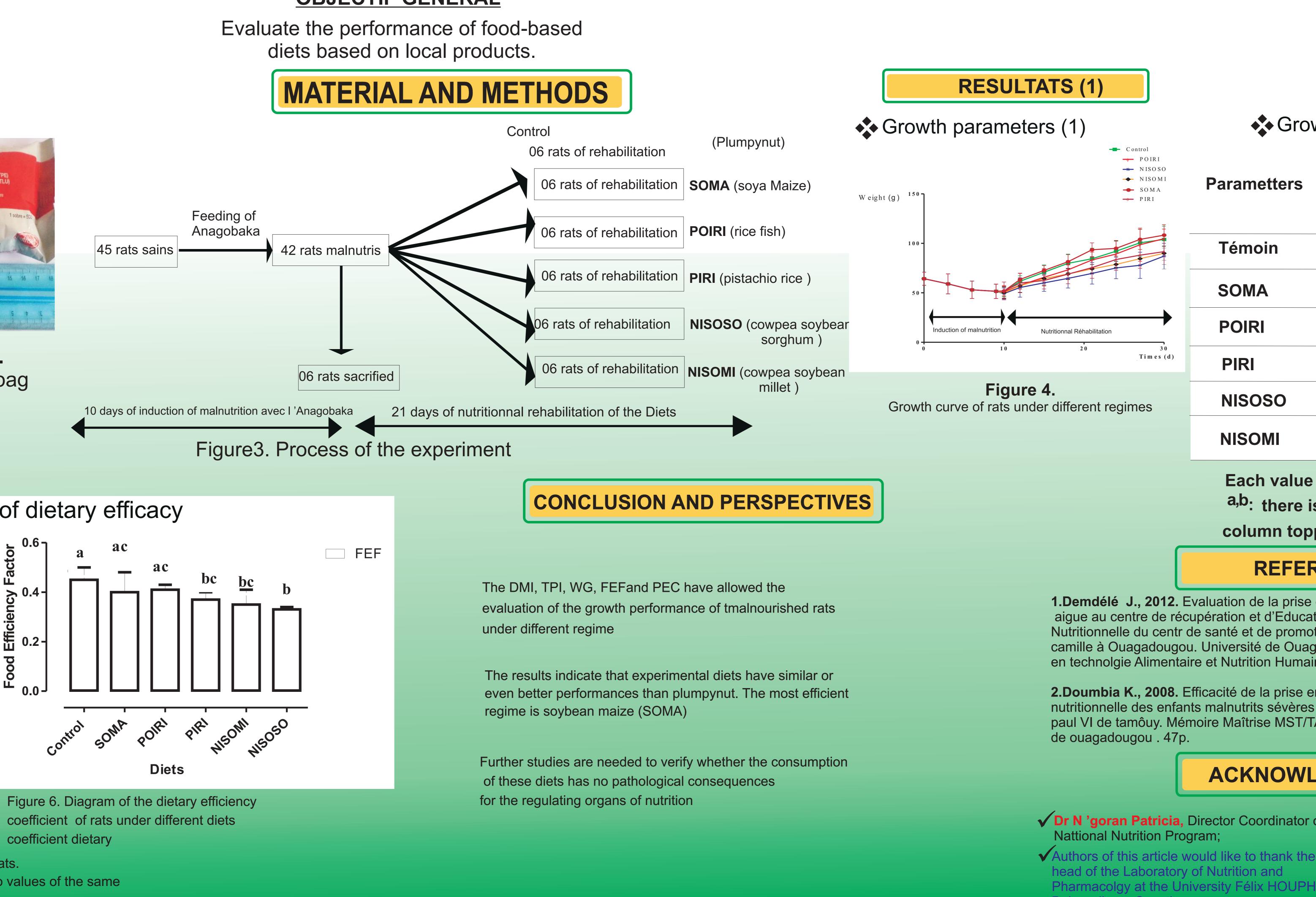


Figure 5. Diagram of dry substance ingested of rats under different diets

> Each value is the mean  $\pm$  standard deviation of six rats. A, b, c; there is no significant difference between two values of the same diagram surmounted by the same letter

# NUTRITIONAL PERFORMANCE OF FOOD REGIMES **BASED ON LOCAL PRODUCTS** IN THE REHABILITATION OF UNDERFED RATS

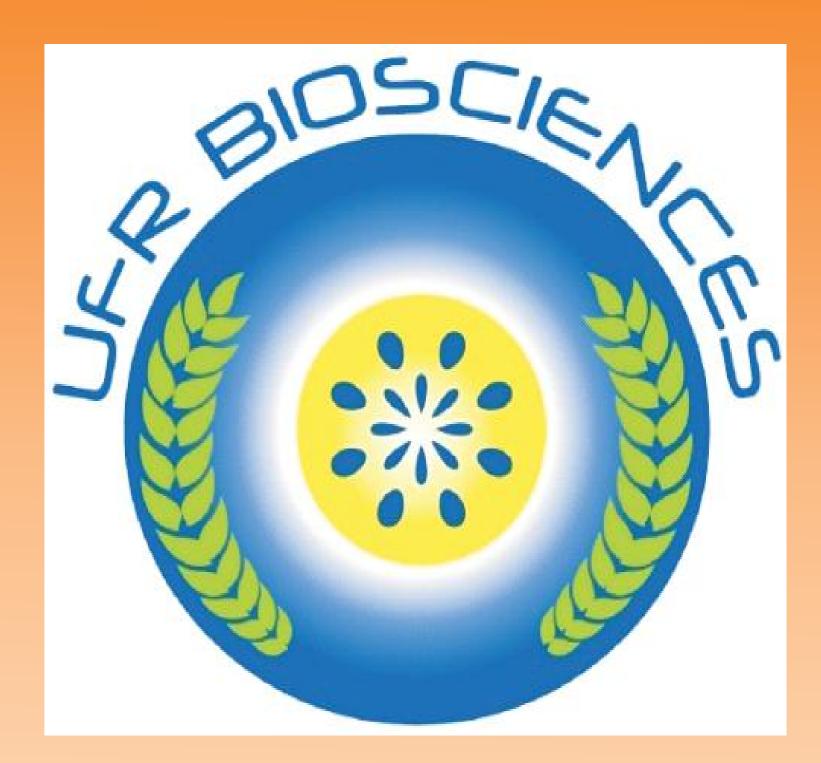
# INTRODUCTION

**MATERIAL AND METHODS** 

The animals used in all our experments are male wistar rats in growth. They were raised in the animal house of the UFR Biosciences and housed in groups in plexiglass cages.

Foods were composed of rice, millet, sorghum, corn, pistachio, soybean, cowpea, oil, sugar, anagobaka and plumpynut





**RESULTATS (2)** 

Growth parameters (2)

Weight gain	Total Protein	Protein Efficiency Coefficiey
2,64 <b>± 0,61</b> a	0,92 <b>±0,24</b>	2,90 ±0,11 <sup>a</sup>
2,82 ±0,73 <sup>a</sup>	1,04 <b>±0,43</b> a	2,73 <b>±0,12</b> ab
2,69 <b>± 0,85</b>	0,98±0,31 <sup>ab</sup>	2,86 ±0,43 ac
2,03 <b>± 0,48</b>	0,83±0,2 <sup>a</sup>	2,44 <b>±0,21<sup>bc</sup></b>
1,99 <b>±0,72</b> a	0,91 <b>±0,32</b> a	2,05 <b>±0,39</b> b
1,89 <b>±0,29</b> <sup>a</sup>	0,89 <b>±0,14</b>	2,23 <b>± 0,78</b> ba

Each value is the average, followed by the standard deviation of six rats. <sup>a,b</sup>: there is no significant difference between two values of the same column topped with the same letter.

REFERENCES

**ACKNOWLEDGMENTS**