## **CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE**

Faculty of Tropical AgriSciences

# Evaluation of the Diploma Thesis by Opponent

Thesis Title	Proposal of proper technologies for purification of don from river Sanaga for Yaounde city, Cameroon.	nestic and drinking water
Name of the student	BSc. George Besong Beteck	
Thesis supervisor	doc. Ing. Vladimír Krepl, CSc.	2
Department	Department of Sustainable Technologies	
Opponent	prof. Ing. Jan Vymazal, CSc.	Sen 1
Formulation of the air	ns	1 2 3 4
Appropriate research methods		1 2 3 4
Fulfilment of the aims		1 2 3 4
The scientific contribution of the thesis and originality		1 2 3 4
The theoretical background of the author (literature review, theoretical background)		1 2 3 4
Data analysis		1 2 3 4
Handling with scientific literature (relevant citations)		1 2 3 4
Argumentation and critical thinking		1 2 3 4
Abstract and keywords 1906		1 2 3 4
Structure of the chapters and paragraphs		1 2 3 4
Accuracy of terminology and comprehensibility		1 2 3 4
Formatting, layout and general impression		1 2 3 4
Evaluation of the work by grade (1, 2, 3, 4)		

Evaluation: 1 = the best

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#### Other comments or suggestions:

The thesis deals with methods used to provide drinking and domestic waters in Yaounde, Cameroon. It is difficult to say whether the thesis is a review or exprimental work but majority of the work is aimed at the review of potentially available technologies for water purification and water supply in Camaroon. The experimental part is very short and does not provide sufficient background to make any recommendations. In addition, it is a bit unusual to present the aims of the thesis on page 50.

### Comments:

Literature review is a bit lengthy and contains superfluous information which has nothing to do with situation of water supply in Cameroon.

The selection of liteature sources is very good but the individual references in the list are incomplete as none of the them includes pagination.

In the text, there are many inaccuracies:

- page 8: BOD is biochemical oxygen demand, not biological oxygen demand (also page 17)

- throughout the thesis: The word "waste" is used most commonly for solid materials as compared to wastewaters; in my opinion quite often the word wastes is used instead of wastewaters (such as in section 2.2.1.6.)

- page 16: carbon trace market is not a part of water pollution

- Table 2 (and further text): the unit for total coliforms should be CFU per volume of water (usually 100 ml)

Figures, Charts, Graphs and Tables are mostly not mentioned in the text and appear in the text "out of blue".

Some of the figures/charts are difficult to read and the captions do not explain terms occurring the figures/charts/graphs. For example, in Figure 36 there is no explanation what given volumes mean. Also, in Table 2, the abbreviations are not explained.

The division of the text to sections up to seven levels is too much

SWOT anylysis (Table 3) should be part of the discussion as it is not a part of the experimental work.

#### Questions for thesis defence:

In many charts dealing with sanitation situation, there is a catogory "unimproved". What does it mean?

On page 13, you use term "littoral region". Can you explain what littotal zone means in ecology?

How often is reverse osmosis used in households in Cameroon? In general, how often are methods described in section 2.8.2. used in Cameroon households? What is the most common technology to purify the water in the households?

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