

CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Tropical AgriSciences

Evaluation of the Diploma Thesis by supervisor

Thesis Title **Proposal of proper technologies for purification of domestic and drinking water from river Sanaga for Yaounde city, Cameroon.**

Name of the student **BSc. George Besong Beteck**

Thesis supervisor **doc. Ing. Vladimír Krepl, CSc.**

Department **Department of Sustainable Technologies**

Cooperation and communication with the supervisor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Timing of the research process and engagement of the student	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appropriate research methods	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fulfilment of the aims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The scientific contribution of the thesis and originality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The theoretical background of the author (literature review, theoretical background)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Data analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Handling with scientific literature (relevant citations)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Argumentation and critical thinking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Abstract and keywords	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Structure of the chapters and paragraphs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Accuracy of terminology and comprehensibility	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Formatting, layout and general impression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Evaluation of the work by grade (1, 2, 3, 4)					2

Evaluation: 1 = the best

Date 23/05/2023

el. signed by doc. Ing. Vladimír Krepl, CSc. on 23/05/2023 08:55
Supervisor signature

Other comments or suggestions:

Mr. George Besong BETECK chose a very topical topic related to water purification technology in Cameroon

The student has built the thesis from the six core chapters, particularly from the literature review, aims of the thesis, methods, results, discussion, conclusion and recommendation.

The student is originally from the area of Sanaga River where the research was carried out and knows the situation related to the management and quality of water from this region well.

The student factually visited the above-mentioned location during his stay in Cameroon during the January of 2023 where she collected data for his magister thesis.

The student described the situation with the quality of water in the region and describes the known technologies from the simple ones to the sophisticated technology.

The core objective of the thesis was focused on the research based on water filtration with the assistance of a cotton filter and the efficiency of this simple technology. This traditional technology used the small urban community, particularly the Nanga-Eboko small urban community which lies along River Sanaga about 130 km northeast of Yaoundé (the capital town).

I consider the work to be unique in that this technology has not yet been examined in detail and measured by authorized institutes. At the same time, these are technologies that are used by the natives in the wide territory of Cameroon, Nigeria, etc., which in absolute numbers represent the enormous population of Africa.

As expected, the filtration efficiency is not high and therefore the results strongly exceeded the limits of both TDS and Turbidity, but much more serious indicators in CFU (total coliform).

The thesis has a good informative level and importance. From the formal point of view, the master thesis has the proper structure (except for minor flaws), required for this category of the thesis.

For the above-mentioned reasons, I recommend the thesis be admitted to defense.

My final assessment as thesis supervisor is: Very Good

Plagiarism control: The system Theses.cz has not assessed the thesis as suspicious.

Date 23/05/2023

el. signed by doc. Ing. Vladimír Krepl, CSc. on 23/05/2023 08:55
Supervisor signature