I. IDENTIFICATION DATA

Thesis title:	**Filter element lifetime**
Author's name:	**Omar Alif Abdelhakim Allam**
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Process Engineering
Thesis reviewer:	Ing. Michal Netušil, Ph.D.
Reviewer's department:	Process Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	ordinarily challenging

Fulfilment of assignment	fulfilled with minor objections
Hypothesis explaining the results of measurement is missing.	

Activity and independence when creating final thesis	E - sufficient.
The time limits were not met. Conception was not regularly consulted. Student ability to work independently is limited.	

Technical level	E - sufficient.
Student does not go into detail of the subject. Theoretical background is on the edge sufficient/insufficient. Practical part contains evaluation of data provided without any further input.	

Formal level and language level, scope of thesis	C - good.
Formalisms and notations are used properly. Thesis is organized in a logical way. Information are well-presented. The language is clear and understandable.	

Selection of sources, citation correctness	C - good.
The selection of sources is adequate. Student's original work is clearly distinguished from references. The bibliographic citations do not meet the standards.	

Additional commentary and evaluation (optional)
No additional comments.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Thesis seems to be elaborated in haste. The assignment is not fulfilled completely. The practical part contains partial evaluation of provided data.

The grade that I award for the thesis is **D - satisfactory.**

Questions:
1. Is there quantified dependence explaining the results, for example pressure drop = function (quantity of dust)?
2. What is the effect of dust particle size on the filter element lifetime?

Date: **19.8.2020**   Signature: