CZECH TECHNICAL UNIVERSITY IN PRAGUE
Faculty of electrical engineering
Department of electrical power engineering
Technická 2, 166 27 Prague 6, Czech Republic

Bachelor thesis opponent's review

Master thesis: **Integration of renewable energy sources to the distribution grid**
Author: **Abdullah Essa**
Thesis supervisor: **Ing. František Vybíralík, CSc.**
Thesis opponent: **Ing. Libor Straka**

	Rating (1 – 5) (1 = best; 5 = worst):
1. Fulfillment of assignment requirements:	2
2. Systematic solutions of individual tasks:	2
3. Ability to apply knowledge and to use literature:	4
4. Thesis formal and language level:	2
5. Thesis readability and structuring:	1
6. Thesis professional level:	3
7. Conclusions and their formulation:	2
8. Final mark evaluation (A, B, C, D, E, F):	D
verbal:	satisfactory

Brief summary evaluation of the thesis (compulsory):

The bachelor thesis deals with general information about renewable energy sources, specifically wind power plants and its principles, advantages and disadvantages. In the next part is the case study that could be better described and explained.
The bachelor thesis is predominantly literature search. The work is clear with good readability and structuring, but the citation and references are not according due to official rules and the references are insufficient.

Questions:

1. What is the difference between the contribution of the wind power plant to the short-circuit currents comparing to situation with synchronous generator?
2. What are the power factor values in table 7.4.?

Date: 17.6.16 Signature: