

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	Effects of Renewable Energy on European Union's Energy Import
<b>Author's name:</b>	BSc. Isa CAKIR
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Department of Economics, Management and Humanities
<b>Thesis reviewer:</b>	Ing. Adéla Linhartová
<b>Reviewer's department:</b>	External – Sécheron Hasler CZ, spol. s r.o.

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>ordinarily challenging</b>
<i>How demanding was the assigned project?</i>	
The thesis was based on data that is very easily reachable and the analysis was quite easy and quick.	

<b>Fulfilment of assignment</b>	<b>fulfilled with minor objections</b>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The task of the thesis was fulfilled. The objections are described in overall evaluation.	

<b>Methodology</b>	<b>correct</b>
<i>Comment on the correctness of the approach and/or the solution methods.</i>	
The method used to analyze data was correct.	

<b>Technical level</b>	<b>E - sufficient.</b>
<i>Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?</i>	
The technical level of Master thesis was not satisfactory. There is neither contribution nor calculations that would be done by student himself. Student simply put data to software and re-wrote the output.	

<b>Formal and language level, scope of thesis</b>	<b>D - satisfactory.</b>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
There are some typos throughout the thesis, also some inaccuracies. English level is satisfactory. I did not enjoy the work with numbers, as this thesis is more statistical. There are million values that are not rounded. That very harms the level of thesis.	

<b>Selection of sources, citation correctness</b>	<b>C - good.</b>
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
The selection of sources was alright, but data used in 2.1. could be more up-to-date.	



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

The thesis consists of 4 main chapters. First chapter nicely explains what renewable energy is, names the sources of renewable energy and their advantages and disadvantages.

Second chapter explains why there is a need of renewable energy in European Union and defines state by state, what was the share of renewable energy in gross electricity consumption and of their spheres. In this part, I would use more up-to-date data, the thesis was written 2 years after data analyzed. I am also missing the conclusion from the statistics and some reasons of behavior of data.

In chapter 3 is described the energy dependency and energy security. Graph 9 contains a big mistake in y axis – Share shall be in %.

Chapter 4 is filled with analysis of the data. The aim of the thesis was to find the relationship among variables. The depended variable was non-renewable energy import, independent variables were renewable energy production, total energy consumption and non-renewable energy production. In my opinion, there could be used much more input variables to work with. The 4<sup>th</sup> chapter is just simple re-writing outputs of program and compared to the rest of thesis it seems very dull.

1. *Could you explain why did you use data for analysis from 2017?*
2. *What is the trend of production of energy from renewable sources from 2017?*
3. *On page 45 you wrote "It's obvious that there can be many different variables that can affect a country's energy imports." Please, name some of them and explain why you did not consider them in your study.*
4. *Can you explain why there is drop of energy consumption in 2009?*

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

Date: **10.6.2020**

Signature: