Thesis Reviewer´s Report

Student:	Osama Al-Tayyar
Title:	Modeling of Economic Processes Using ARIMA Models
Supervisor:	Ing. Martin Ibl, Ph.D.
Reviewer:	prof. Ing. Jan Čapek, CSc
Reviewer's job title:	profesor, USII, FES, UPCE

Assessment criteria

	excellent	very good	acceptable	unacceptable	N/A
Achievement of the aims of the thesis	☐	☐	☒	☐	☐
Use of appropriate methods	☐	☒	☐	☐	☐
Depth of analysis (in relation to the topic)	☐	☐	☒	☐	☐
Structure and extent of the thesis	☐	☒	☐	☐	☐
Use of Czech and foreign sources (including references)	☒	☐	☐	☐	☐
Formal aspects (text, diagrams, charts)	☐	☒	☐	☐	☐
Quality of language (style, grammar, terminology)	☐	☒	☐	☐	☐

Usability of the results

	high	medium	low	N/A
In theory	☐	☐	☒	☐
In practice	☐	☒	☐	☐

Other comments

When taking over relationships from literary sources, the student did not work carefully, which was reflected in unnecessary mistakes, such as:
Page 29 The equations 1 and 2 are wrong, the equation 4 is wrong too.
Page 30 what is $\emptyset 0$ in eq. 6 and 7 and how you calulate it.
Page 35 what is $\omega\, t$. Is there difference between $\emptyset 1$ and $\theta 1$? (eq. 8-10 and explanations)
The first ρ in eq 13 page 35, should be denoted as $\rho 1$.
Page 38 It seems that parameters explaining eq. 15 do not belong to eq. 15.

The conclusions and recommendations arising from the Qatar GDP model are not surprising. All countries with rich oil and gas reserves are heavily dependent on the extraction of these commodities.

Questions and suggestions for the defence

I have no questions and/or suggestions for defence.

Overall evaluation

I **recommend** the thesis for defence.
The proposed grade for the thesis: D

In Pardubice on 25.5.2021

Signature