

CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Agrobiolgy, Food and Natural Resources

Evaluation of the Bachelor Thesis by supervisor

Thesis Title **Cultivation of maize for energy purposes in the global context**

Name of the student **Zuzana Papežová**

Thesis supervisor **Ing. Perla Kuchtová, Ph.D.**

Department **Department of Crop Production**

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|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Author's stance and approach to the addressed problems | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Logical process being used, work with data and information | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Theoretical background of an author | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Author's co-operation with supervisor and department | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input checked="" type="checkbox"/> 4 |
| Formulation of conclusions | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Work with scientific literature (quotations, norms) | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input checked="" type="checkbox"/> 4 |
| Work with data and information | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Comprehensibility of the text and level of language | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Fulfilment of objectives | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Formulation of conclusions | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Professional contribution of the work | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Clarity and professionalism of expression in the thesis | <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| The structure of paragraphs and chapters | <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Summary comply with the content of thesis | <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| Evaluation of the work by grade (1, 2, 3, 4) | | | | 3 |

Evaluation: 1 = the best

Date 05/11/2018

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Supervisor signature

Other comments or suggestions:

The student has submitted a bachelor's thesis of relatively good level.

Regarding the content of the bachelor's thesis, the reader finds problems with literary sources. There are no references to the authors in whole paragraphs, in the paragraph chain as well as in whole subchapters (e.g. 3.1.3., 3.4.1. etc.). This objection (except for short passages) concerns the whole work.

Described deficiencies may be related to the fact that the student acquired a lot of information from one single source (frequently more than on one page of the text?). In some cases, large parts of the text were literally copied. Simply, the citation method does not meet the required standard, i.e. quotes with reference to the source and the designation of literally copied quotations.

From the 60 cited literary sources (more expert than scientific ones), 38 are from the Internet and are not listed separately in the list of literature. Czech sources predominate, but the requirement for 25% of foreign language resources has been met.

This bachelor thesis was evaluated as original though the formal control of plagiarism found 18 content similarities (2 per 7 % and 15 per less than 5 %), exclusively from the Internet resources.

A closer look will outline the extent of misuse of literary sources (available from: https://odevzdej.cz/auth/plagiaty/plag_ode?odev_11/05/2018_14:06):

7% of similarities: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2430252>, downloaded 20.8.2013; <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2430252>, downloaded 30. 5. 2014;

< 5% of similarities: <https://www.ncbi.nlm.nih.gov/pubmed/24650320>, This document contains 64% of a similar text with the document examined, downloaded 8. 1. 2018; <http://www.wbur.org/hereandnow/2014/06/11/corn-environmental-risks>, 55% of a similar text with the document examined, downloaded 29. 4. 2018; <http://recrops.com/miscanthus>, 38% of a similar text with the document examined, downloaded 29. 4. 2018: cited TWO TIMES in the detailed statement; <http://www.npr.org/templates/transcript/transcript.php?storyId=321023253>; 26% of a similar text with the document examined, downloaded 29. 4. 2018: cited TWO TIMES in the detailed statement; <http://czu.natalya.cz/statnice/Template.do>, 22% of a similar text with the document examined, downloaded 25. 10. 2015; https://www.eia.gov/energyexplained/index.cfm?page=oil_oil_production, 19% of a similar text with the document examined, downloaded 29. 4. 2018: cited TWO TIMES in the detailed statement; https://www.researchgate.net/publication/260995060_Global_maize_production_utilization_and_consumption, 16% of a similar text with the document examined, downloaded 8. 1. 2018; <https://www.scientificamerican.com/article/oceanic-dead-zones-spread/>, 9% of a similar text with the document examined, downloaded 29. 4. 2018: cited TWO TIMES in the detailed statement; <https://news.illinois.edu/view/6367/520569>, 8% of a similar text with the document examined, downloaded 29. 4. 2018; <http://www.scientificamerican.com/article/ocean-dead-zones/>, 8% of a similar text with the document examined, downloaded 29. 4. 2018: cited TWO TIMES in the detailed statement; <http://www.britannica.com/plant/corn-plant>, 7 % of a similar text with the document examined, downloaded 30. 10. 2017; <http://www.britannica.com/plant/corn-plant>, 6 % of a similar text with the document examined, downloaded 30. 10. 2017; <http://www.eesi.org/topics/fossil-fuels/description>, 6 % of a similar text with the document examined, downloaded 1. 5. 2016

The text of the thesis with marked passages of similarities is available to the supervisor.

The bachelor thesis is characterized by a logic structure and contains many relevant information. Nevertheless, data reported for global maize production are 10-12 years old (p: 6). For the higher relevance of the findings, it would be adequate rely on the latest data, although the trends are quite obvious and well described (by many authors).

Quantification of data is missing – data on the global development of maize growing areas, including its further utilization. This data can easily be obtained through both FAOSTAT and national statistical offices. One graph or table would have a greater information value than a number of words. Also for these reason, the conclusions of the thesis and the summary are practically vague without clear and specific findings and recommendations.

It is regrettable that the student did not practically communicate (nor did she cooperate) with the supervisor. This collaboration would have been made possible to avoid problems of this final thesis and limit the errors, as well as the respect of the author for the binding instructions of the faculty for writing the final thesis. And not just in terms of formatting, but also in terms of the stated objectives of the bachelor thesis, which must correspond to the objectives mentioned in the bachelor thesis topic approved by the authorities.

Plagiarism control: The system Theses.cz has assessed the thesis as original.

Date 05/11/2018

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Supervisor signature