

## DIPLOMA THESIS EVALUATION SUPERVISOR EVALUATION

**Author name:** Yegor Boyarchikov

**Supervisor:** Ing. Lukáš Hubka, Ph.D.

**Thesis title:** Developing Software and Hardware for Micro-climate Unit

A. Abstract quality, keywords matching . . . . .	Excellent (1)
B. Research scope and processing . . . . .	Very good minus (2-)
C. Level of theoretical part . . . . .	Very good minus (2-)
D. Appropriateness of the methods . . . . .	Excellent minus (1-)
E. Results elaboration and discussion . . . . .	Excellent minus (1-)
F. Students own contribution . . . . .	Excellent (1)
G. The conclusion statement . . . . .	Excellent (1)
H. Fulfillment of Thesis tasks (goals) . . . . .	Fulfilled
I. Structure, correctness and fulness of references . . . . .	Very good (2)
J. Typographical and language level . . . . .	Excellent (1)
K. Formal quality . . . . . (text structure, chapters order, clarity of illustrations)	Excellent (1)
L. Student access (independence, activity etc.) . . . . .	Excellent (1)

Comments, remarks

The work is very deeply practically focused and the theory takes only small place in the report. But the practical part does not bring any real operation results only test results are presented.

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**Overall assessment:**

The thesis is describing the development of the hardware and the software for the micro-climate unit. The selected hardware and programmed software allow using the unit in many different applications and keep the overall device price very low. The open question not solved in the thesis is the integration of the unit into some existing system.

The final product can have the power to create a good kick-off product for some start-up.

**Questions for the defense:**

1. Do you make some real operation tests with your device?
2. Do you think the selected air temperature sensor is the best for your purpose? The usual operation range (interior temperature) should be narrower and the precision higher. Why do you select this one?
3. How will it be possible to integrate the unit into some existing system? Will it be possible to add for example alarm function or boiler control into your device?

**Plagiarism checking:**

Similarity by STAG: 0 % Comment if similarity is above 5 %:

Reviewed

**Overall classification:**

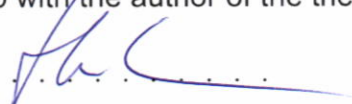
Work meets the Master degree requirements and therefore I recommend it for defense

I suggest to classify this work by grade Very good (2)

In Liberec

date 5 June 2018

By signing I certify that I am not in any personal relationship with the author of the thesis

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Supervisor signature