



SUPERVISOR EVALUATION

Diploma thesis

Thesis title: **Coffee beans dryer for decentralized purposes**
Author: **Duque Dussán Eduardo**
Supervisor: **Skočilas Jan, Ing., Ph.D.**
Reviewer: **Ing. Pavel Filka, CSc.**

Author elaborated diploma thesis within range of 139 pages, containing 103 figures, 5 tables and 11 appendixes. 25 literature sources were used for literature search.

The thesis deals with analysis of current coffee beans dryer and design of optimized dryer.

The student's approach was very active and responsible. He worked predominantly independently. He performed analytical and numerical analysis of the current coffee beans dryer and suggest construction improvements to optimize humidity distribution in dried material. The proposed new construction reduced time of drying process and generate significant cost savings according to preliminary evaluation by numerical and analytical calculations. The blueprints of the new dryer were also performed by student.

Author acquired lot of theoretical experiences and knowledge in the field of coffee drying process and design of the new mechanical construction.

Mr. Duque fulfilled all aims of the submission. I evaluated him by grade

A (excellent)

In Prague, 17. 6. 2019

v.r.

Jan Skočilas