

## NEW CONTRIBUTION OF THE STUDY

Thesis title: “Effect of potassium fertilizer quantities and types and post-harvest processing methods on quality of dry fermented cocoa beans”.

Field: Crop Science

Code: 9. 62. 01. 10

PhD candidate: Pham Thi Hong Hai

Scientific supervisors: Dr. Pham Hong Duc Phuoc; Dr. Vo Thai Dan.

Educational institution: Nong Lam University, Ho Chi Minh City.

Number of Issued The decision of the Council reviews the thesis level:.....

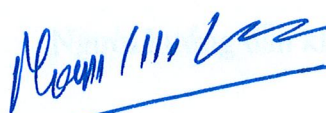
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### New contribution of the thesis

- Evaluating the effect of types and dosage of applied potassium fertilizer on the sugar content in the pulb of fresh cocoa beans, in order to control the sugar content accumulated in cocoa pulb by cultural management.
- Identifying some yeast species involving in the natural fermentation process of cocoa beans
- The yeast species, *Saccharomyces cerevisiae*, was determined and added in cocoa beans fermentation process. With the aim of improving cocoa beans quality, this method provided the best cocoa beans after fermentation, i.e. increased pH value, limited acid lactic formed, and reduced the total acid residue in the cocoa beans.

Scientific supervisors

PhD Candidate



Dr. Pham Hong Duc Phuoc



Dr. Vo Thai Dan



Pham Thi Hong Hai