

DECONTAMINATION OF SEEDS FOR SEED SPROUT PRODUCTION BY HIGH HYDROSTATIC PRESSURE

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INTRODUCTION

E. coli
Salmonella spp.
B. cereus

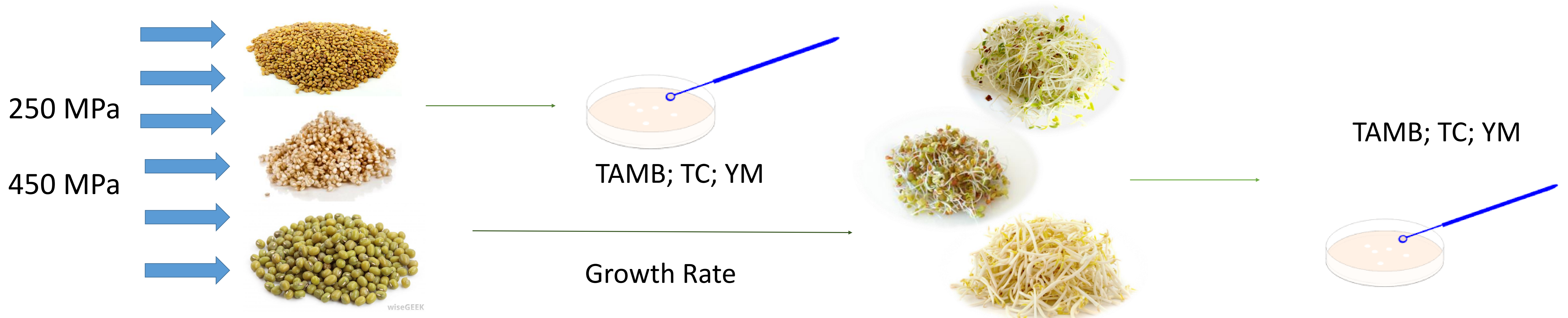
food-borne outbreaks linked to sprouts
decontamination
Sanitizers
Heat treatments
radiation

HPP

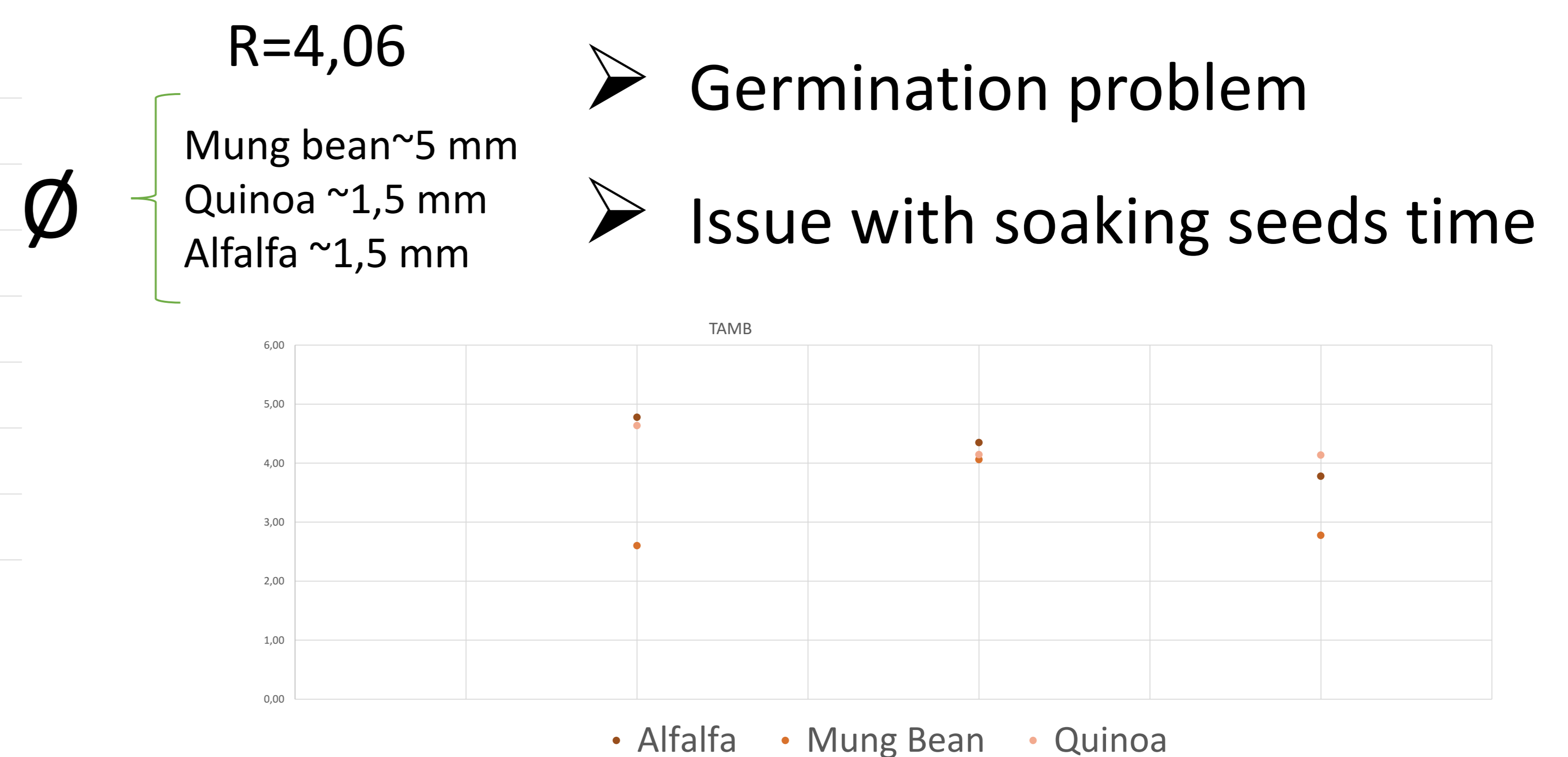
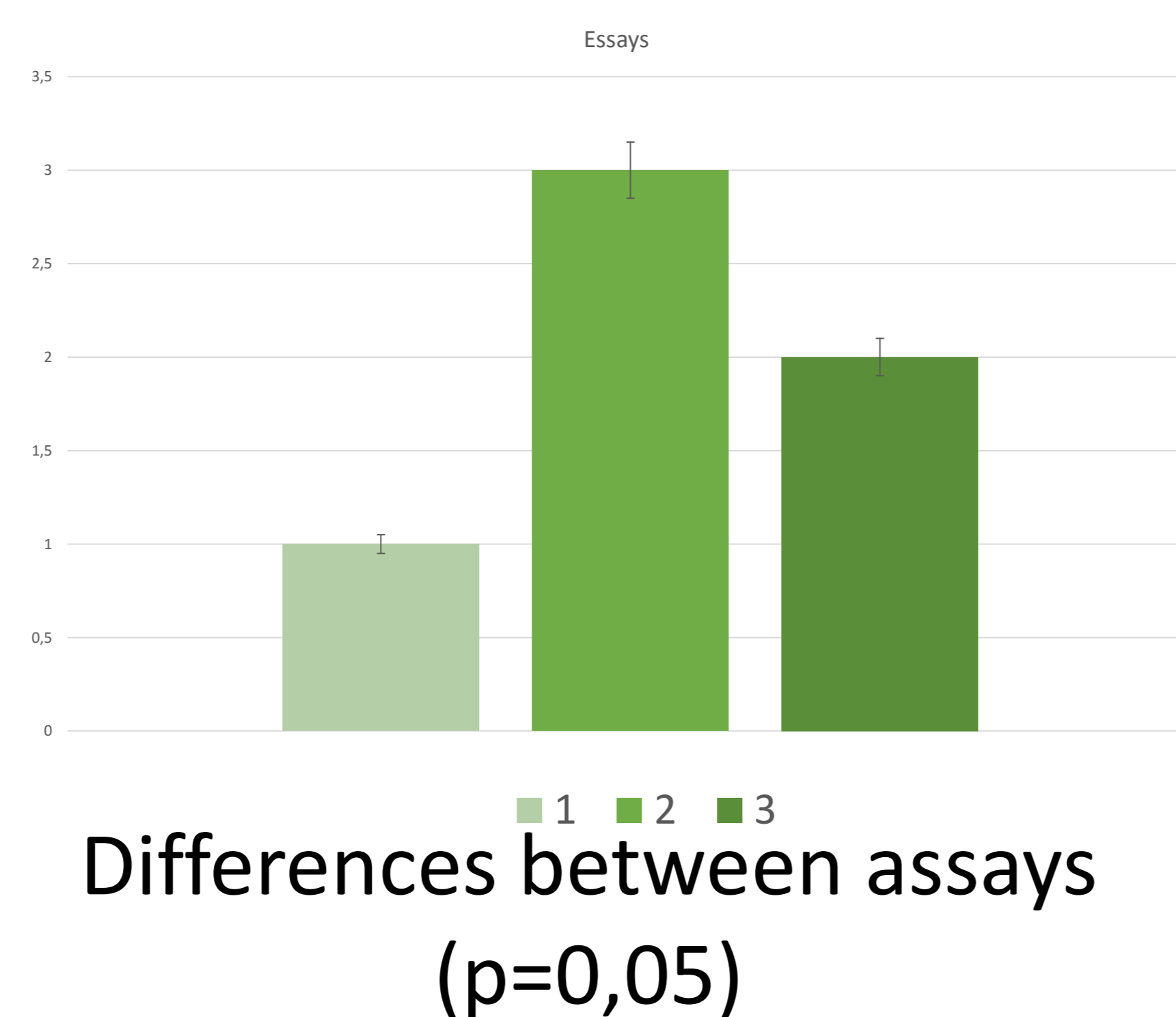
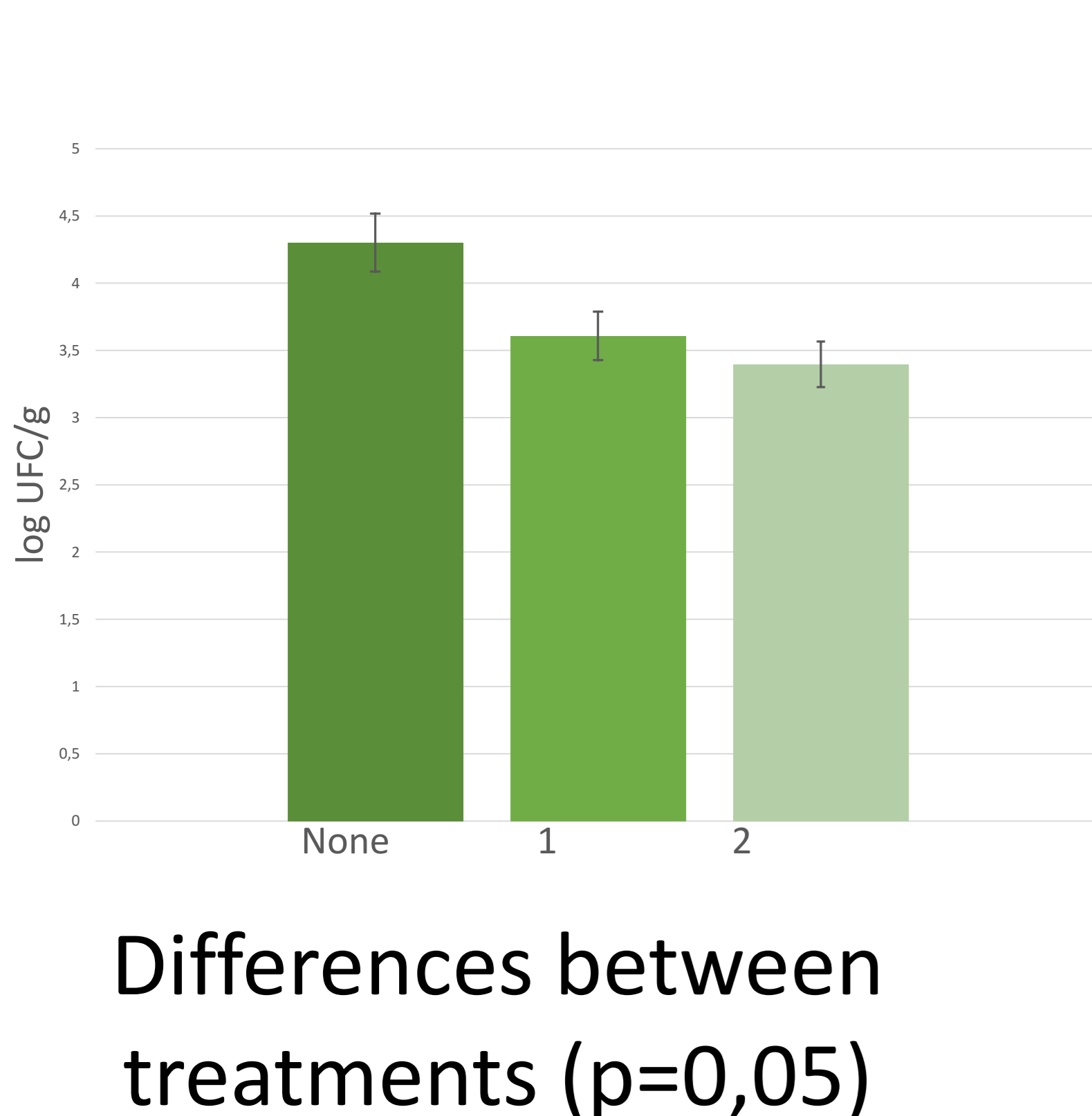
- To quantify the effect and differences between each treatment in the microorganisms naturally in seeds.
- To describe differences in germination rate caused by high pressure treatment.

OBJECTIVES

MATERIALS AND METHODS



RESULTS AND DISCUSSION



CONCLUSIONS

- HPP has an effect in seeds.
- Germination is slower after HPP treatments. It takes up to 48 hours more to start germination.

- It seems that there are not differences between 200 MPa treatments and 450 MPa treatment.
- After HPP treatments TAMB decreases, therefore sprouts will be safer.