

## **Abstract**

The thesis presented is a continuation of my bachelor thesis which engaged in the mimetic in nature.

In the introductory part there are hypothesis whether Phasmatodea are appropriate didactic group that could be used in the biology and ecology classes, whether there are some easily bred species of Phasmatodea, which could be possibly recommended to scholar insectariums and whether school textbooks for elementary and high schools engage with breeding Phasmatodea and the topic of mimetic. These hypotheses are refuted or confirmed at the end of the thesis.

The next part origins from detailed study of many species of Phasmatodea where there are specific species described with detailed information.

The next part of the thesis is about breeding few kinds of this sort, the opportunities of beginning the breeding in school environment with advices from real practice, in which way it is possible to manage the insectarium and the breeding and whether Phasmatodea in general can be used as appropriate didactic group in biology and ecology classes.

The following part is full of specific motifs of observing and tests in school, thus the didactic use is regarded especially for teachers of elementary and high schools. Both aforementioned parts of the thesis are accompanied by pictures and photographs – some of which are from my own breeding.

The final part of the thesis is dedicated to the analysis of textbooks for elementary and high schools regarding the occurrence of mimetic and the order of Phasmatodea which can be used as an overview for elementary and high school teachers who teach biology.

This thesis was written so that it could stand as a handbook for teachers who want to dedicate their classes to breeding some of the orders of Phasmatodea or for beginning breeders.