ABSTRACT:
The diploma thesis is focused on lower secondary school pupil attitudes toward biology as a school subject and describes the development of our own measurement tool. The teaching experiment, pupils filled out a questionnaire focusing on fading the extent of their interest in this subject. A questionnaire with 5-point Likert type items was used a research tool. The sample size contained 239 elementary school pupils. Questionnaires were divided into six categories: The relevance of biology, Difficulty of biology, Interest in biology, Practical biology, Satisfaction with regard to teacher’s attitude and Modern technology in biology lessons. The empirical research focuses in mapping the influence of modern technologies on teaching biology. The research design was based on the case study of the lower secondary school gathered data was processed and by means of open and selective coding data analysis method. The results of the survey showed that the subject is biology rather popular subject. The research also showed that science teachers use tablets in lessons in two ways. First, they use applications that are applied to repeat and practice the curriculum. Second, tablets allow information retrieval and subsequent work with them. All respondents see the use of tablets in science teaching as an activation tool. The negative aspects of the interviewed teachers see in a bad Internet connection.