

## **Abstract**

The thesis investigates the possibility of using QR codes in education and in the field activities in the Czech Republic.

The second chapter includes an overview of the history of QR codes based on the findings collected from the available sources together with an explanation of technical parameters, introduction of QR code types and possible content which they can carry, and subsequently, there is a practical example of QR code generation and means of its scanning.

The third chapter focuses on practical utilization of QR codes, while mentioning the discovered examples of their use in non-educational fields, including the assessment of their meaningfulness, after which the thesis deals with the use of QR codes in education and their educational usefulness with effort to point out the individualization of educational process and means of possible equalization of education for handicapped students. There is an analysis of already tested practical usage of QR codes with comparison of their actual functionality and mere motivating function.

In chapter four the QR codes are critically evaluated with regards to their utilization in biology classes.

Key words: QR code, education, biology, functionality.