This bachelor thesis deals with a theorem and its proof, which allows construction of division ring from cyclic
field extension which satisfies certain conditions. The reader
is expected to have basic knowledge of linear algebra, ring and module theory.
For using this theorem the reader also needs some skills in counting Galois
groups. In this work there are also included two basic examples of usage the theorem.
During the proof we introduce a structure of tensor product
and Brauer group.