

PROSPECTIVE ELEMENTARY TEACHERS' MISCONCEPTIONS IN BIOLOGY LESSON: URINARY SYSTEM SAMPLE

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ABSTRACT

The aim of this study was to investigate misconceptions of prospective elementary teachers in biology lesson. The sample of the research consists of 45 prospective teachers in Bartın University Education Faculty. Urinary system which was Biology unit was selected as the research subject. Before the application, the students were asked 5 open-ended questions which were about urinary system. The lessons were treated with computer animations and presentations which were prepared in cooperative learning groups. After the applications open-ended questions were asked to students as a post-test. In the result of the research, it was concluded that the students confused the urinary system with digestive system. It was revealed that students have lots of wrong information about urinary system which was taught in 5th and 7th class. They have misconceptions about diseases and organs of urinary system. They said diseases of digestive system instead of urinary system. The findings of the study proved that the most of the misconceptions of the students were removed.

Key Words: Misconceptions, Urinary System, Primary School Teaching, Computer Animations, Cooperative Learning.