

## ABSTRAK

Penelitian ini bertujuan untuk menganalisis perbedaan penguasaan konsep dan motivasi belajar antara siswa yang menggunakan pembelajaran kooperatif tipe investigasi berbantuan media animasi dengan siswa yang menggunakan pembelajaran kooperatif tipe investigasi tanpa bantuan media animasi. Metode penelitian yang digunakan adalah kuasi eksperimen dengan desain penelitian *Pretest-Posttes Control Group Design*. Populasi penelitian ini adalah siswa kelas XI SMAN 1 Sumedang Tahun Pelajaran 2012-2013. Sampel penelitian ini diambil dua kelas (eksperimen dan kontrol) dengan teknik *Cluster Random Sampling*. Data diperoleh melalui soal penguasaan konsep dan angket motivasi belajar. Analisis data menggunakan *t-test* dan uji *U Mann Whitney*. Berdasarkan hasil analisis data, ditemukan hasil penelitian pertama, terdapat perbedaan signifikan penguasaan konsep siswa antara kelas eksperimen dan kelas kontrol ( $\text{sig} = 0.001 < \alpha = 0.05$ ), kedua terdapat perbedaan signifikan motivasi belajar siswa antara kelas eksperimen dan kelas kontrol ( $\text{sig} = 0,017 < \alpha = 0,05$ ). Hal ini menunjukkan penguasaan konsep dan motivasi belajar siswa setelah pembelajaran kooperatif tipe investigasi berbantuan media animasi lebih baik daripada pembelajaran kooperatif tipe investigasi tanpa bantuan media animasi pada materi sistem reproduksi di kelas XI.

Kata kunci: pembelajaran kooperatif tipe investigasi, media animasi, penguasaan konsep, motivasi belajar, sistem reproduksi.

## ABSTRACT

This study aims to analyze differences in mastery of concepts and motivation among students who use cooperative learning animation media-assisted investigation by students using cooperative learning type of investigation without the help of animation media. The research method used was a quas-experimental research design with Pretest-Posttest Control Group Design. The study population was a class XI student of SMAN 1 Sumedang academic year 2012-2013, The research sample was taken two classes (experimental and control) with cluster random sampling technique. Data were obtained through a questionnaire about the mastery of the concept and motivation to learn. Data were analyzed using t-test and Mann Whitney U test. Based on the result of data analysis, found the results of the first study, there were significant differences in students' mastery of concepts between the experimental class and the control class ( $\text{sig} = 0,001 < \alpha = 0,05$ ), the second, there were significant differences in students' motivation between the experimental class and the control class ( $\text{sig} = 0,017 < \alpha = 0,05$ ). This shows the mastery of concepts and students' motivation after learning cooperative investigation of media-assisted animation better than cooperative learning without the help of animation media investigations on the reproductive system of the material in class XI.

Keyword: cooperative learning type of investigation, media animation, concept mastery, motivation to learn, the reproductive system.