

ABSTRAK

FRISKA LABORA CHRISTIANI. Perbedaan Kemampuan Koneksi Matematika Dan *Self Confidence* Siswa Yang Diajarkan Dengan Menggunakan Model *Guided Discovery Learning* Dan Model *Problem Based Learning* Berbantuan Autograph

Penelitian ini bertujuan untuk mengetahui (1) Apakah kemampuan koneksi matematika siswa yang diajarkan dengan *Guided Discovery Learning* (GDL) berbantuan Software Autograph lebih tinggi daripada siswa yang diajarkan dengan *Problem Based Learning* (PBL) berbantuan Software Autograph (2) Apakah *self confidence* siswa yang diajarkan dengan *Guided Discovery Learning* (GDL) berbantuan Software Autograph lebih tinggi daripada siswa yang diajarkan dengan *Problem Based Learning* (PBL) berbantuan Software Autograph, (3) Apakah ada interaksi antara model *pembelajaran* dengan kemampuan numerik terhadap kemampuan koneksi matematika siswa, (4) Apakah ada interaksi antara model pembelajaran dengan kemampuan numerik terhadap *Self Confidence* siswa. Jenis penelitian ini adalah penelitian eksperimental semu dengan populasi penelitian semua siswa kelas XI SMA Swasta Methodist-An Pancur Batu. Penelitian ini menggunakan ANAVA dua jalur. Kemudian lanjutkan dengan uji Scheffe untuk melihat apakah kedua kelompok berbeda secara signifikan. Berdasarkan perhitungan statistik uji Scheffe dan dikonfirmasi dengan spss, dapat disimpulkan bahwa (1) Kemampuan koneksi matematika siswa yang diajarkan dengan *Guided Discovery Learning* (GDL) berbantuan Software Autograph lebih tinggi dari pada siswa yang diajarkan dengan *Problem Based Learning* (PBL) berbantuan Software Autograph, (2) *Self confidence* siswa yang diajarkan dengan *Guided Discovery Learning* (GDL) berbantuan Software Autograph lebih tinggi daripada siswa yang diajarkan dengan *Problem Based Learning* (PBL) berbantuan Software Autograph, (3) Terdapat interaksi antara model *pembelajaran* dengan kemampuan numerik terhadap kemampuan koneksi matematika siswa, (4) Terdapat interaksi antara model pembelajaran dengan kemampuan numerik terhadap *Self Confidence* siswa.

Kata Kunci: *Guided Discovery Learning, Problem Based Learning, kemampuan koneksi, self confidence, Autograph*

ABSTRACT

FRISKA LABORA CHRISTIANI. Differences In Mathematics And Self Confidence Ability Of Students Taught By Using The Guided Discovery Learning And Problem Based Learning Assisted Autograph.

This study aims to find out (1) Whether the mathematical connection ability of students taught with Guided Discovery Learning (GDL) assisted by Software Autograph is higher than students who are taught with Problem Based Learning (PBL) assisted by Software Autograph (2) Is the student's self confidence taught by Guided Discovery Learning (GDL) assisted by Software Autograph is higher than students who are taught with Problem Based Learning (PBL) assisted by Software Autograph, (3) Is there an interaction between learning models with Numerical ability on the ability of students' mathematical connections, (4) Is there an interaction between learning models with Numerical ability on students' Self Confidence. This type of research is quasi-experimental research with a population of all students of class XI Pancur Batu Private High School Methodist. This research uses two-way ANAVA. Then proceed with the Scheffe test to see whether the two groups are significantly different. Based on the statistical calculation of the Scheffe test and confirmed with spss, it can be concluded that (1) The ability of students' mathematical connections taught by Guided Discovery Learning (GDL) assisted by Autograph Software is higher than that of students taught by Problem Based Learning (PBL) assisted by Autograph Software, (2) Self-confidence of students taught by Guided Discovery Learning (GDL) assisted by Software Autograph is higher than students who are taught with Problem Based Learning (PBL) assisted by Software Autograph, (3) There is interaction between learning models with Numerical ability towards students 'mathematical connection skills, (4) There is interaction between learning models with Numerical ability on students' Self Confidence.

Key words: Guided Discovery Learning, Problem Based Learning, connection ability, self confidence, Autograph

