

## ABSTRAK

### **Chotnida Damayanti NIM. 8126141002. Pengembangan Model Pembelajaran pada Kimia Larutan melalui Integrasi *Macromediaflash* dalam *Problem Based Learning* untuk Meningkatkan Hasil Belajar Kimia dan Karakter Siswa SMA**

Pengembangan model pada kimia larutan melalui integrasi *Macromediaflash* dalam *Problem Based Learning* (PBL) dijelaskan dalam penelitian. Pengembangan model pembelajaran ini dibutuhkan meningkatkan hasil belajar dan karakter siswa seperti mandiri, tanggung jawab, jujur, disiplin serta berpikir kritis. Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar dan karakter siswa dengan menggunakan model PBL terintegrasi *Macromediaflash* dengan DI terintegrasi *Macromediaflash* serta DI pada pokok bahasan Kimia Larutan. Sampel penelitian ini antara lain SMA Negeri 1, 3 dan 4 di kota Medan. Adapun perlakuan sampel sebanyak 3 kelas yaitu kelas eksperimen 1 (PBL terintegrasi *Macromediaflash*, eksperimen 2 (DI terintegrasi *Macromediaflash*) serta eksperimen 3 (DI). Pengumpulan data dilakukan dengan tes objektif untuk hasil belajar siswa sebelum dan sesudah proses pembelajaran, lembar observasi selama proses pembelajaran dilakukan serta angket untuk mengukur karakter yang berkembang yang dilakukan pada akhir pembelajaran. Data dianalisis menggunakan *SPSS 18* dan *Systat 13* dengan taraf signifikan 0,05. Hasil penelitian menunjukkan bahwa (1) telah ditemukan model pembelajaran yang disebut *Flash – BL* yang sesuai untuk meningkatkan hasil belajar serta karakter mandiri, tanggung jawab, jujur, disiplin serta berpikir kritis, (2) terdapat perbedaan hasil belajar dari model yang diterapkan dengan nilai sig. 0.021, serta terdapat perbedaan nilai karakter mandiri, tanggung jawab, jujur, disiplin serta berpikir kritis dari model yang diterapkan masing-masing dengan nilai sig. 0.000. Serta terdapat interaksi karakter seperti Mandiri, Tanggung Jawab, dan Disiplin dengan hasil belajar siswa dari model PBL terintegrasi *Macromediaflash* yang masing-masing nilai sig. sebesar 0.001; 0.000 dan 0.001.

Kata Kunci : *Problem Based Learning*, *Macromediaflash*, Mandiri, Tanggung Jawab, Jujur, Disiplin, Berpikir Kritis

## ABSTRACT

**Chotnida Damayanti NIM. 8126141002. Improving The Learning Models on Chemical of Solution by Integrated Macromediaflash in Problem Based Learning to Increase The Achievement and Student's Character.**

This research explained the development of chemical's solution by integrated Macromediaflash in PBL. The development of this learning model is needed to improve student's achievement and characters, like independent, responsibility, honesty, discipline, and critical thinking. The Objective of this study is to discover the difference of student's achievement and student's character by using PBL model of integrated Macromediaflash, DI of integrated Macromediaflash and DI on the subject chemical of solution. The sample of study was the eleventh grade students of SMAN 1, 3 and 4 in Medan. Sample was taken in three classes, they are first class experiment (PBI integrated Macromediaflash), second class experiment (DI integrated Macromediaflash) and third class experiment (DI). The data collection is done by using objective test for student's achievement, observation sheet and questionnaire to measure the student's character growing and analyzed by using SPSS 18 and Systat 13 with a significant level 0,05. The result of the research showed that (1) it has been found the learning model called Flash – BL that appropriate to improve the student's achievement and character such as independent, responsibility, honesty, discipline and critical thinking, (2) there ware the difference of student's achievement from the model's which were applied with the significant value 0,021, and the were the difference of character value such as independent, responsibility, discipline, honesty, and critical thinking from the models which were applied which each significant value 0,000. Furthermore there was a character interaction such as independent, responsibility, and discipline with the student's achievement from PBL integrated Macromediaflash model with each significant value 0,001; 0,000; and 0,001.

Key words : *Problem Based Learning, Macromediaflash, Independent, Responsibility, Honesty, Discipline and Critical Thinking*