ABSTRAK

Nur Maida Sari. Nim 8216142009. Pengembangan Bahan Ajar Berbasis *Case Method* untuk Meningkatkan Kemampuan Literasi Kimia dan Motivasi Belajar Peserta Didik Pada Materi Kimia Kelas XI SMA Semester Genap. Tesis: Program Pasca Sarjana Universitas Negeri Medan, 2023.

Penelitian ini bertujuan untuk memperoleh data analisis kebutuhan bahan ajar berbasis *case method* yang dikembangkan sesuai standar BSNP, mengetahui kelayakan bahan ajar bebasis *case method*, mengetahui kemampuan literasi kimia peserta didik, motivasi belajar peserta didik dan respon peserta didik terhadap penggunaan bahan ajar berbasis *case method* yang dikembangkan. Penelitian dilakukaan di SMA Negeri 5 Langsa menggunakan metode R & D dengan model ADDIE. Populasi penelitian terdiri dari seluruh peserta didik kelas XI dengan sampel kelas XI IPA 1 dan XI IPA 3 yang dibagi menjadi kelas eksperimen dan kelas kontrol. Instrumen penelitian terdiri dari angket kelayakan BSNP yang telah dimodifikasi, instrumen tes kemampuan literasi kimia berupa soal essay, angket motivasi belajar peserta didik dan angket respon peserta didik terhadap penggunaan bahan ajar berbasis *case method*. Uji hipotesis dilakukan dengan uj- t pihak kanan dengan menggunakan taraf signifikansi 5% ($\alpha = 0,05$). Hasil penelitian diperoleh dari analisis kebutuhan perlu adanya pengembangan pada bahan ajar terutama aspek literasi, nilai rata-rata kelayakan bahan ajar berbasis *case method* yang dikembangkan adalah 3,73 dengan kategori layak tanpa perlu revisi. Kemampuan literasi kimia peserta didik kelas eksperimen diperoleh sebesar 62,5 lebih tinggi dari kelas kontrol sebesar 48,5 secara signifikan. Motivasi belajar peserta didik kelas eksperimen diperoleh sebesar 85,16 lebih tinggi dari motivasi belajar kelas control sebesar 78,00 secara signifikan. Peserta didik memberikan respon sangat baik dengan rata-rata persentase 84,10% terhadap penggunaan bahan ajar berbasis *case method* yang dikembangkan sebagai penunjang pelaksanaan pembelajaran kimia di sekolah.

Kata Kunci: Bahan Ajar, *case method*, kemampuan literasi kimia, Motivasi Belajar, ADDIE.

ABSTRAK

Nur Maida Sari. Nim 8216142009. Development of Case Method-Based Teaching Materials to Improve Chemical Literacy Skills and Student Learning Motivation in Class XI Even Semester Chemistry Materials. Tesis: Program Pasca Sarjana Universitas Negeri Medan, 2023.

This study aims to obtain data on the needs analysis of teaching materials based on the case method developed according to BSNP standards, find out the feasibility of teaching materials based on case methods, find out the chemical literacy ability of students, student learning motivation and student responses to the use of teaching materials based on the case method developed. The research was conducted at SMA Negeri 5 Langsa using the R & D method with the ADDIE model. The study population consisted of all class XI students with samples of class XI Science 1 and XI Science 3 which were divided into experimental classes and control classes. The research instruments consisted of a modified BSNP feasibility questionnaire, a chemical literacy ability test instrument in the form of essay questions, a student learning motivation questionnaire and a student response questionnaire to the use of case-based teaching materials conducted at SMA Negeri 5 Langsa using the R & D method with the ADDI model. The hypothesis test was carried out with the right side using a significance level of 5% ($\alpha = 0.05$). The results of the study were obtained from the analysis of the need for development of teaching materials, especially literacy aspects, the average feasibility value of case-based teaching materials developed was 3,73 with a decent category without the need for revision. The chemical literacy ability of experimental class students was obtained by 62.5 higher than the control class by 48.5 significantly. The learning motivation of experimental class students was obtained by 85.16 higher than the learning motivation of the control class by 78.00 significantly. Students responded very well with an average percentage of 84.10% to the use of case-based teaching materials developed to support the implementation of chemistry learning in schools.

Key Words: Teaching Materials, case methods, chemical literacy skills, Learning Motivation, ADDIE.