

## ASSESSMENT OF INDIVIDUALIZED WEB BASED LEARNING ENVIRONMENT BASED ON PROBLEM SOLVING STEPS

Yrd. Doç. Dr. Derya Özlem Yazlık  
Nevşehir Hacı Bektaş Veli Üniversitesi  
[doyazlik@nevsehir.edu.tr](mailto:doyazlik@nevsehir.edu.tr)

Doç. Dr. Ahmet Erdoğan  
Necmettin Erbakan Üniversitesi  
[aerdogan@konya.edu.tr](mailto:aerdogan@konya.edu.tr)

### Abstract

The aim of this study is to assess the individualized web based learning environment based on problem solving steps developed to teach the topic of “Applications with regard to equations and inequalities” in terms of impact on learning, appropriateness of the curriculum and design. “ProbSol learning environment assessment” scale, which included 20 likert type items, was used to collect data for the assessment of the medium designed. With the help of the scale, 121 Mathematics teachers assessed ProbSol learning environment. According to the data obtained from the scale, it was concluded that the ProbSol would have positive contribution to students’ learning, the content of ProbSol is suitable for secondary education Mathematics program, the design of this learning environment is compatible with overall design principles and the use of system is easy. Based on the results, it was concluded that with necessary amendments ProbSol can be used in real classroom environments.

**Keywords:** Material Assessment, Problem Solving, Web-based Instruction.