

**IMPLEMENTASI *PROBLEM BASED LEARNING*  
UNTUK MENINGKATKAN *HABITS OF MIND, EMOTIONAL INTELLIGENCE,*  
DAN PENGUASAAN KONSEP SISWA SMA KELAS XI  
PADA MATERI SISTEM EKSKRESI DAN SISTEM SARAF**

**Febblina Daryanes**

**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui peningkatan kemampuan *Habits of Mind*, *Emotional Intelligence*, dan penguasaan konsep siswa SMA kelas XI melalui implementasi *Problem Based Learning* pada materi sistem ekskresi dan sistem saraf. Penelitian ini merupakan penelitian *weak experiment* dengan desain penelitian *one-group pretest-posttest* yang dilakukan di kelas XI IPA 1 SMAN 1 Rengat Riau. Pengumpulan data dilakukan melalui angket *Habits of Mind* awal dan akhir, angket *Emotional Intelligence* awal dan akhir, soal *pretest* dan *posttest* materi sistem ekskresi dan sistem saraf, angket respons siswa, lembar observasi diskusi dan presentasi. Analisis data penelitian menggunakan nilai normalisasi gain. Hasil penelitian menunjukkan bahwa kemampuan *Habits of Mind* siswa setelah implementasi *Problem Based Learning* mengalami peningkatan dengan N-gain sebesar 0,53 dan berada dalam kategori sedang. Sejalan dengan itu, kemampuan *Emotional Intelligence* siswa juga mengalami peningkatan dengan N-gain sebesar 0,33 dan berada dalam kategori sedang. Kemampuan penguasaan konsep siswa mengalami peningkatan dengan N-gain sebesar 0,75 dan berada dalam kategori tinggi. Hasil penelitian juga menunjukkan bahwa siswa memberikan respons positif terhadap pembelajaran *Problem Based Learning* dalam melatih kemampuan *habits of mind*, *emotional intelligence* dan kemampuan penguasaan konsep berada dalam kategori baik sekali. Kemampuan *habits of mind*, *emotional intelligence*, dan kemampuan penguasaan konsep siswa memiliki hubungan yang kuat.

**Kata Kunci:** *Problem Based Learning, Habits of Mind, Emotional Intelligence, Penguasaan Konsep*

Febblina Daryanes, 2016

*Implementasi Problem Based Learning untuk Meningkatkan Habits of Mind, Emotional Intelligence, dan Penguasaan Konsep Siswa SMA Kelas Xi pada Materi Sistem Ekskresi dan Sistem Saraf*

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# **IMPLEMENTATION OF PROBLEM BASED LEARNING TO IMPROVE HABITS OF MIND, EMOTIONAL INTELLIGENCE, AND CONCEPT MASTERY OF EXCRETION SYSTEM AND NERVOUS SYSTEM ON HIGH SCHOOL STUDENT CLASS XI**

**Febblina Daryanes**

## **ABSTRACT**

This research aimed to get the information of the improvement of Habits of Mind, Emotional Intelligence, and the mastery of the concept from high school students through the implementation of Problem Based Learning. This research is the research of weak experiment with design research one-group pretest-posttest which was conducted in class XI IPA 1 SMAN 1 Rengat, Riau. Data collection was done via questionnaire Habits of Mind early and late stage, questionnaire of Emotional Intelligence the early and late stage, questions of pretest and posttest of excretion system and nervous system material, question form of the response from the students, the observation sheet discussion and presentation. The analysis of research data is done by using the value of the normalization gain. The results showed that the ability of the Habits of Mind of students after the implementation of Problem Based Learning experience increased with N-gain of 0.53 which are in the category of medium. In line with that, the ability of the Emotional Intelligence of students also increased with N-gain of 0.33 which are in the category of medium. The ability of the mastery of the concepts from students increased with N-gain of 0.75 which is high in that category. The research also showed that students gave positive responses toward the learning of Problem Based Learning in the coaching ability of habits of mind, emotional intelligence and mastery of concept in excellent category. The ability of the habits of mind, emotional intelligence, and ability of mastery of the concepts from the students have strong relationships.

**Key Words: Problem Based Learning, Habits of Mind, Emotional Intelligence, Mastery of the Concept**

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