

ABSTRAK

Penelitian ini dilakukan untuk mengetahui peningkatan aktivitas dan hasil belajar siswa kelas XI IPA 2 SMA Negeri 2 Wates pada materi Sistem Pernapasan dengan pendekatan Salingtemas. Berdasarkan hasil observasi dan wawancara dengan guru Biologi di SMA Negeri 2 Wates, didapatkan berbagai permasalahan yaitu siswa kurang aktif, program ketuntasan KKM yang diharapkan oleh guru belum tercapai, metode yang digunakan guru adalah ceramah, diskusi, dan penugasan sehingga siswa merasa bosan.

Penelitian tindakan kelas ini dilaksanakan dalam 2 siklus. Setiap siklus terdiri dari 5 tahapan, yaitu (1) *Perencanaan*, mengidentifikasi masalah dan merencanakan kegiatan pembelajaran. (2) *Pelaksanaan*, melaksanakan kegiatan belajar mengajar menggunakan pendekatan Salingtemas melalui 4 tahap yaitu a) Tahap Invitasi: mengemukakan masalah faktual di masyarakat, b) Tahap Eksplorasi: memahami/mempelajari situasi baru, c) Tahap Solusi: menganalisis dan mendiskusikan cara pemecahan masalah, dan d) Aplikasi: mengadakan aksi nyata menggunakan konsep yang diperoleh. (3) *Observasi*, pengambilan data tentang proses pembelajaran di kelas. (4) *Evaluasi*, mengetahui peningkatan hasil belajar melalui tes evaluasi dan aktivitas siswa melalui lembar observasi. (5) *Refleksi*, menganalisa data untuk mengetahui kelebihan dan kekurangan setiap siklusnya.

Subyek penelitian adalah 28 siswa kelas XI IPA 2 SMA Negeri 2 Wates. Hasil penelitian menunjukkan adanya peningkatan aktivitas siswa di kelas tetapi ada penurunan dalam hasil belajar. Pada siklus I persentase aktivitas siswa sebesar 92,85%, siswa yang mencapai ketuntasan minimal sebesar 82,14%, dan nilai rata-rata kelas sebesar 78. Pada siklus II persentase aktivitas siswa meningkat menjadi 100% sedangkan siswa yang mencapai ketuntasan minimal mengalami penurunan menjadi 78,57% dan nilai rata-rata kelas menjadi 75,14. Dapat disimpulkan pendekatan Salingtemas dapat meningkatkan aktivitas dan hasil belajar siswa kelas XI IPA 2 SMA Negeri 2 Wates pada materi Sistem Pernapasan dari kondisi awal (40% siswa aktif, 59% siswa tuntas, dan nilai rata-rata kelas 75) walaupun belum mencapai target yang diinginkan.

Kata Kunci: *Pendekatan Sains-Lingkungan-Teknologi-Masyarakat, Sistem Pernapasan, Aktivitas, Hasil Belajar*

ABSTRACT

This study was conducted to determine the increase in activity and learning outcomes of students in Grade XI IPA 2 of SMA N 2 Wates on the material of Respiratory System with a Salingtemas approach. Based on the observations and interviews with high school Biology teachers at SMA N 2 Wates, it was found that students were less active, the Minimum Completeness Criterion or the KKM program expected by the teacher had not been reached, the method used was the teacher lectures, discussions, and assignments so that students felt bored.

Classroom action research was conducted in two cycles. Each cycle consisted of 5 stages, namely: (1) Planning, identifying problems and plan learning activities. (2) Implementation, implementing learning activities using an approach Salingtemas through 4 stages: a) Invitation Phase: express factual issues in the community, b) Exploration Phase understand learn the new situation, c) Solution Phase: analyze and discuss the way of solving the problem and d) Application Phase: hold real actions using concepts gained. (3) Observations, collecting data about the learning process in the classroom. (4) Evaluation, knowing improved learning outcomes through the student activity test and evaluation through observation sheets. (5) Reflection, analyzing the data to determine the advantages and disadvantages of each cycle.

The subjects were 28 students of class XI IPA 2 of SMA N 2 Wates. The results showed an increase in the activity of student in the class, but there was a decrease in the learning outcomes. In the first cycle, the percentage of student activity by 92.85%, students who achieved minimal mastery was 82.14%, and the class average grade was 78. In the second cycle the percentage of the student activity increased to 100%, while students who achieved mastery minimally decreased to 78.57% and the class average grade became 75.14. It could be concluded that the Salingtemas approach could improve the activity and student learning outcomes in class XI IPA 2 of SMA N 2 Wates on the material Respiratory System from the initial conditions (40% active students, 59% of students completed, and the average value of grade 75), although not reaching the desired target.

Key words: *Short Science- Environment-Technology-Community, Respiratory System, Activity, Learning Outcomes*