PENGARUH PENGGUNAAN MODEL PEMBELAJARAN *FIRING LINE* TERHADAP HASIL BELAJAR BIOLOGI SISWA PADA SUB MATERI JARINGAN PADA TUMBUHAN DI KELAS XI IPA SMA NEGERI 1 PANCUR BATU T.P. 2016/2017

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui seberapa besar pengaruh model pembelajaran *firing line* terhadap hasil belajar siswa kelas XI IPA SMA Negeri 1 Pancur Batu T.P. 2016/2017. Populasi penelitian adalah seluruh siswa kelas XI IPA yang terdiri dari lima kelas (175 orang), dua kelas sampel diambil secara *cluster random sampling,* yaitu kelas XI IPA$_3$ (30 orang) yang diajar menggunakan model pembelajaran *firing line* dan XI IPA$_2$ (35 orang) yang diajar menggunakan model pembelajaran konvensional. Dalam pelaksanaan model pembelajaran *firing line* dilakukan kegiatan pemberian jawaban terhadap soal-soal yang tersedia berupa kartu soal dengan formasi yang menampilkan pasangan secara bergilir. Dari analisis data, diperoleh bahwa rata-rata hasil belajar siswa yang diajar dengan model pembelajaran *firing line* ($\overline{X}$=71.70) lebih tinggi dari hasil belajar siswa yang diajar dengan model konvensional ($\overline{X}$=62,70). Pengujian hipotesis menggunakan uji-t dengan taraf signifikansi (α=0.05) diperoleh $t_{hitung} > t_{tabel}$ (3,57>1,99) yang berarti H_0 ditolak dan H_a diterima. Maka dapat disimpulkan bahwa terdapat pengaruh penggunaan model pembelajaran *firing line* berupa peningkatan hasil belajar biologi siswa pada sub materi jaringan pada tumbuhan di kelas XI IPA SMA Negeri 1 Pancur Batu T.P. 2016/2017.

Kata kunci: *hasil belajar, jaringan pada tumbuhan, model pembelajaran firing line*

THE EFFECT OF USING FIRING LINE LEARNING MODEL TOWARD LEARNING ACHIEVEMENT BIOLOGY OF STUDENTS ON SUB-TOPIC PLANT TISSUES IN ELEVENTH SCIENCE GRADE SMA NEGERI I PANCUR BATU T.P 2016/2017

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ABSTRACT

The purpose of this study was to determine the effect of firing line model on learning outcomes in eleventh grade SMA Negeri 1 Pancur Batu A.Y. 2016/2017. The population was all students of eleventh science grade SMA Negeri 1 Pancur Batu academic year 2016/2017 which consisted of five classes (175 students) and two classes sample were taken by cluster random sampling: XI IPA$_3$ (30 students) taught with firing line learning model and XI IPA$_2$ (35 students) taught with conventional learning model. The implementation of firing line learning model consist of providing answers to the provided questions as a question card with formation that featured a couple in rotation. The data analysis showed that the average of students learning outcomes by using firing line model ($\overline{X}$=71.70) was higher than average of students learning outcomes by using conventional model ($\overline{X}$=62,70). Hypothesis testing was performed by t-test at significance level of α =0.05, and obtained that t$_{calculate}$>t$_{table}$ (3,57>1.99) which meant that H$_0$ was rejected and H$_a$ was accepted. Thus it could be concluded that there were effect such as increasing in students learning achievement by using firing line model on sub-topic Plant Tissues in eleventh science grade SMA Negeri 1 Pancur Batu Academic Year 2016/2017.

Keywords: *learning achievement, The Plant Tissues, firing line learning model*