

Wiranda Mardiana Natarika. 2026. *Pengaruh Model Pembelajaran Group Investigation Berbantuan W3Schools Terhadap Hasil Belajar Siswa Kelas X PPLG di SMKN 1 Labang*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan Ilmu Pendidikan. Universitas Trunodjoyo Madura. Pembimbing: Muchamad Arif, S.Pd., M.Pd.

ABSTRAK

Penelitian ini dilakukan dengan tujuan untuk mengetahui pengaruh model pembelajaran *group investigation* berbantuan *w3schools* terhadap hasil belajar siswa kelas X PPLG di SMKN 1 Labang. Penelitian ini menggunakan metode kuantitatif dengan jenis desain penelitian yaitu *quasi eksperimental design*. Populasi yang digunakan sebanyak 57 siswa kelas X PPLG di SMKN 1 Labang, dimana 29 siswa kelas X PPLG 1 sebagai kelas eksperimen dan 28 siswa kelas X PPLG 2 sebagai kelas kontrol. Peneliti menggunakan *pretest*, *posttest*, wawancara, observasi, dan angket untuk mengumpulkan data. Berdasarkan hasil penelitian memperoleh, (1) Terdapat pengaruh model pembelajaran *group investigation* berbantuan *w3schools* dengan hasil belajar siswa (ranah kognitif) berdasarkan uji signifikan dengan hasil $t_{hitung} > t_{tabel}$ atau $3,393 > 2,069$, sehingga H_0 diterima. (2)

Aktivitas pelaksanaan pembelajaran menggunakan model *group investigation* berbantuan *w3schools* menunjukkan hasil “baik”. Aktivitas guru memperoleh persentase 92,85% dengan kategori “sangat baik” dan aktivitas siswa memperoleh persentase 86,6% dengan kategori “sangat baik”. (3) Respon siswa pada pembelajaran dengan model *group investigation* berbantuan *w3schools* memperoleh persentase 83,24% dengan kategori “baik” dari siswa. Sehingga dapat disimpulkan bahwa terdapat pengaruh model pembelajaran *group investigation* berbantuan *w3schools* terhadap hasil belajar siswa kelas X PPLG di SMKN 1 Labang.

Kata kunci: *group investigation*, *w3schools*, hasil belajar

Wiranda Mardiana Natarika. 2026. *The Effect of the Group Investigation Learning Model Assisted by W3Schools on the Learning Outcomes of Grade X Software and Game Development Students at SMKN 1 Labang*. Undergraduate Thesis, Informatics Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University of Madura. Supervisor: Muchamad Arif, S.Pd., M.Pd.

ABSTRACT

This study was conducted to determine the effect of the Group Investigation learning model assisted by W3Schools on the learning outcomes of Grade X Software and Game Development (PPLG) students at SMKN 1 Labang. This study employs a quantitative method using a quasi experimental research design. The population consisted of 57 Grade X PPLG students at SMKN 1 Labang, with 29 students from Class X PPLG 1 serving as the experimental group and 28 students from Class X PPLG 2 serving as the control group. The researcher used pretests, posttests, interviews, observations, and questionnaires to collect data. Based on the research findings, (1) there was a significant effect of the Group Investigation learning model assisted by W3Schools on students' learning outcomes (cognitive domain), as indicated by the significance test results where $t_{count} > t_{table}$ ($3,393 > 2.069$), leading to the acceptance of the alternative hypothesis (H_a). (2) The implementation of learning activities using the Group Investigation learning model assisted by W3Schools showed positive results. Teacher activities achieved a percentage of 92.85%, categorized as "very good," while student activities achieved a percentage of 86.6%, categorized as "very good." (3) Students' responses to learning using the Group Investigation learning model assisted by W3Schools reached 83.24%, which was categorized as "good." Therefore, it can be concluded that the Group Investigation learning model assisted by W3Schools has a significant effect on the learning outcomes of Grade X PPLG students at SMKN 1 Labang.

Keywords: *group investigation, w3schools, learning outcomes*