

# **TRAINING IN WRITING SCIENTIFIC PAPERS BASED ON 4C1L FOR RESEARCH INDEPENDENCE OF STUDENTS OF SMAN 3 YOGYAKARTA**

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## **ABSTRACT**

### **Abstract**

This Community Service (PkM) activity aims to improve students' abilities in writing scientific papers on a 4C1L basis at SMAN 3 Yogyakarta. 4C1L are the main skills that are often discussed in the context of modern education, namely Critical Thinking, Creative Thinking, Collaboration, Communication and Leadership. It is not a single theory, but rather a holistic approach to education that integrates the development of these skills into the curriculum and teaching methods. The target audience for this PkM is 25 students in the fields of social sciences, humanities and science. The method or approach used in implementing this service activity is by means of lectures for presenting material, discussions, offline training and mentoring. This scientific writing assistance activity involves forming a youth scientific group community (KIR) and coaching is carried out on a scheduled basis. To measure the success of service activities, evaluations are carried out using indicators of partner satisfaction and measurement of research independence for training participants.

Kata Kunci: *scientific writing, creative, collaboration, communication, 4C1L*