

## ABSTRACT

**Anisa Meysi Wardi. 2021.** “Study of 4C Components the Availability at Physics Student Worksheet of Senior High School Grade XII in South Pesisir ” Undergraduated Thesis. Physics Education Study Programe, Faculty of Mathematics and Natural Sains, Universitas Negeri Padang.

The 2013 curriculum requires teachers to encourage students to be able the 21<sup>st</sup> century skills consist critical thinking, creativ thinking, communicaton, and collaboratively . To achieve this, teacher must practice using learning strategies with an orientation to train students to be able have 4C skills. This relates to the learning component that must be prepared by the teacher such as teaching materials. One of the aids for students is teaching materials in the form of worksheets. 4C-based worksheets can help students to train train 21<sup>st</sup> century skills. The 4C based worksheetss can be a tool in meeting one of the demans of the curriculum where students must be able to think critically,creatively, communication and collaboration. Therefore, a research study was conducted to study the availability of the 4C component at physics worksheets of senior high school grade XII.

This research is descriptive study with a qualitative approach. The population of data in this study were physics Worksheets grade XII at Senior High Scholl in Pesisir Selatan. While taking samples for worksheets to be analyzed using purposive sampling. The samples in this research are fourth student worksheets made by Physics Teacher. The data in this study were taken using LKS presentation analysis instrument with the data analysis technique is a content study technique and data collection techniques through documentation studies.

Based on the analysis conducted, it can be conclue d tha the analysis of the Physics Worsheets at Senior High School grade XII related to availability of the 4C component shows that LKS who obtained a percentage with the fulfillment of the indicator on the highest 4C component is LKS made by subject teacher of 59% SMA N 2 Painan. From the result of the analysis , this worksheets has facilitated critical thinking and creativ thinking. Whereas the Physics Worksheets that gets percentage with lowest indicator of 4C components is LKS made by subject teacher 39%. This is because 4C indicators that should be met are included in the category lowest facilitating.

**Keywords :** Study, Student Worksheets, 4C