ITSF

Indonesia Toray Science Foundation
'AWARDING PROPOSAL'

1. **Title** : Power Point Collaboration in Teaching Group With The Hot Potatoes is The Instrument to Measure The Students Ability in Understanding Thermodynamic Concepts at The Eleventh Grade Science in 21 Senior High School Bandung

2. **Subject** : PHYSICS
3. **Receiver**

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4. **Proposal Summary (± 250 words):**

Power Point collaboration in teaching group with the Hot Potatoes is the instrument to measure the students' ability in understanding Thermodynamic concepts. It is a learning innovation to be better change of the students.

By doing the group learning strategy, the students are practiced and common to share the knowledge, experience, task and responsibility, help each other and practice to social communication, and learn to aware themselves.

In application, the students are given freedom to improve their knowledge with Thermodynamic concepts in Power Point, and to present in groups one by one. In this case, teachers are as the facilitators, and the students are as the center of this process.
To evaluate the process which was done, it used JCross Hot Potatoes based Web. It is very suitable to understand the Thermodynamic concept based on theories. The advantages from this strategy is getting free, and the others, it is the complete learning application

In the fact, students prefer this evaluation method to the other method, because it is more interesting and they can be more active and creative, more productive in getting an idea, more competitive or can compete with the other groups to get better result, the cooperation and share with their friends in a group looks explicitly. It is more interesting than the other strategy which used written and oral test.

Authentic assessment is actually used in learning process give all aspects of evaluation (cognitive, affective, and psychomotor), it can be looked in doing the power point task, presentation, and "Hot Potatoes" strategy give the students learning development in every aspects and it can be measured directly, and result a better and unthinkable change.