



CENTRAL TEACHING INNOVATION FUND

FINAL REPORT

[Short Video Tutorials, Physical Chemistry]

COURSE REPRESENTATIVES (CR)

[Dr. Hery Sutanto, M.Si., 11110501]

Academic Development Center

2024/2025

Swiss German University
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A. Title Page

Title of Proposal : Short Video Tutorials
 Name of Course Representative : Hery Sutanto
 Email : hery.sutanto@sgu.ac..id
 Mobile phone : +6282122340846
 Duration of CTIF Program : 4 months

The Prominence Office Tower, Tangerang

Date:

Course Representative	Head of Program Study	Dean of Faculty
Signature 	Signature 	Signature 
Dr. Hery Sutanto	Dr. Ing. Diah Widiputri	Dr. Hery Sutanto
NIK: 11110501	NIK: 11211452	NIK: 11110501

1. PROJECT SUMMARY

The project focused on the making of tutorial videos of the Physical Chemistry course. It provides an accessible and effective tool to review key concepts and calculations, bridging the classroom learning with independent study. The objective is to enhance the understanding of “hard to be digested” topics and in a wider aspect is to be relevant to the Gen-Z way of study yet to be impactful and it is aligned with the university’s strategic goals.

2. TEACHING INNOVATION IMPLEMENTATION

2.1 Project Activities

- Video take on Mar 12, 2025 with the help of ADC team member
- Editing process in April - May, 2025 by the students, 4 videos shared to 4 groups. They may edit the video according to their style of likable contents
- Feedback on the video use for the student’s understanding on Mar 19, 2025

2.2 Challenges & Solutions

- Challenges: the video equipment, studio must be borrowed from the GSC department.
- Requires assisting personnel for the video take
- Requires video editing software (subscribe version)
- The initial plan was to edit the video by myself, however the time is not manageable
- The plan changed that the editing was given as a class assignment in order to have video results according to their generation preference and to help their understanding.

3. OUTCOMES

The videos are available online with the following link:

1. Particle Duality:

<https://drive.google.com/file/d/15tcupruMpRrkB2xH6NbPFxom4FfVAEQU/view?usp=sharing>



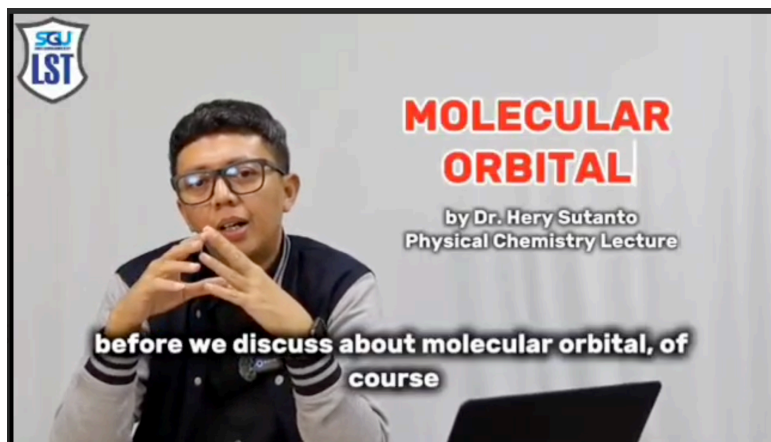
2. Uncertainty:

<https://drive.google.com/file/d/1-xOwiR3sUwCAHCi0E4Z682qzOHaieGQ1/view?usp=sharing>



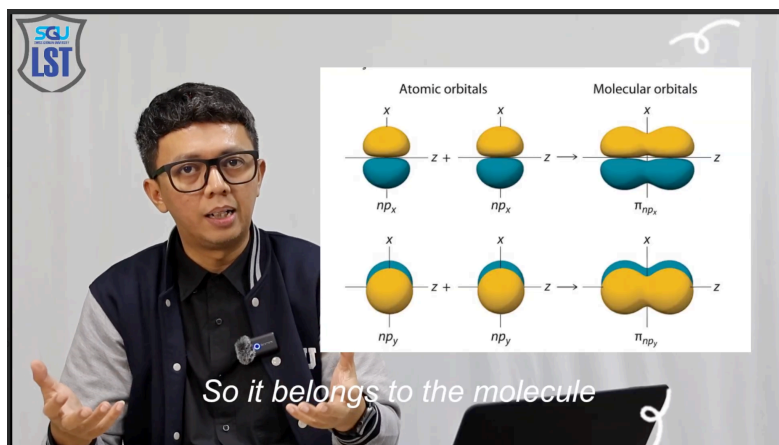
3. Atomic Orbital:

<https://drive.google.com/file/d/1Z-8ZEOQMhVt6UuWbC26kTBNegpqZMekE/view?usp=sharing>



4. Molecular orbital:

<https://drive.google.com/file/d/17aOWsTT27j03MsJBPsZ2NrYrEucfq5fj/view?usp=sharing>



This subsection details:

- The videos were uploaded in the Google Classroom
- Methods for collecting data: Google form feedback link: https://docs.google.com/forms/d/e/1FAIpQLSfBXVoZHaxpqRYxfksDG_YpLqQPRM-4dDJtP2yzFg07D9S5w/viewform
- Preview of the feedback result:

Form_Responses1		
Email Address	Name	Is the video editing assignment make you understand more about the top
brigitta.angelie@student.sgu.ac.id	Brigitta Pricillia Angelie	yes
ratu.wachyudi@student.sgu.ac.id	Ratu Jagaddhita Dewi Sekar Langit Wachyudi	Yes
muhammad.nurianto@student.sgu.ac.id	Najwan Nurianto	Yes
prisillia.natalie@student.sgu.ac.id	Prisillia Sthepany Natalie	yes because i watch it many time when i do the editing and adding the picture makes me more understand the material
abdullah.muhtarif@student.sgu.ac.id	Abdullah Irsyad Muhtarif	Yes
earl.burton@student.sgu.ac.id	Earl Egan Clark Burton M R	Yes
izzul.izzuddin@student.sgu.ac.id	Izzul Ifwat Bin Izzuddin	Yes!
bill.li@student.sgu.ac.id	Bill Brandon	Yes, it does
gregorius.hardianto@student.sgu.ac.id	Gregorius Widhi Hardianto	Yes
jonathan.tjokroaminoto@student.sgu.ac.id	Jonathan Evan	Yes
clifford.gunarsih@student.sgu.ac.id	Clifford David Gunarsih	Yes, because we need to focus to edit the subtitle we can understand the explanation.

Form_Responses1		
Email Address	Name	Do you find the video relevant to your preference?
brigitta.angelie@student.sgu.ac.id	Brigitta Pricillia Angelie	yes
ratu.wachyudi@student.sgu.ac.id	Ratu Jagaddhita Dewi Sekar Langit Wachyudi	Yes (Especially mine 😊👍)
muhammad.nurianto@student.sgu.ac.id	Najwan Nurianto	Yes
prisillia.natalie@student.sgu.ac.id	Prisillia Sthepany Natalie	yes
abdullah.muhtarif@student.sgu.ac.id	Abdullah Irsyad Muhtarif	Yes
earl.burton@student.sgu.ac.id	Earl Egan Clark Burton M R	Yes
izzul.izzuddin@student.sgu.ac.id	Izzul Ifwat Bin Izzuddin	Yep i edited it.
bill.li@student.sgu.ac.id	Bill Brandon	Yes, videos are filled with jokes, making the videos fun and not stiff
gregorius.hardianto@student.sgu.ac.id	Gregorius Widhi Hardianto	Yes
jonathan.tjokroaminoto@student.sgu.ac.id	Jonathan Evan	Yes
clifford.gunarsih@student.sgu.ac.id	Clifford David Gunarsih	Particle duality

Form_Responses1		
Email Address	Name	Do you find the videos relevant and help you in the understanding the cour
brigitta.angelie@student.sgu.ac.id	Brigitta Pricillia Angelie	yes
ratu.wachyudi@student.sgu.ac.id	Ratu Jagaddhita Dewi Sekar Langit Wachyudi	Yes
muhammad.nurianto@student.sgu.ac.id	Najwan Nurianto	Yes
prisillia.natalie@student.sgu.ac.id	Prisillia Sthepany Natalie	yes, the language is easy to understand and deliver in simple way
abdullah.muhtarif@student.sgu.ac.id	Abdullah Irsyad Muhtarif	It helps student to access the lecture anytime anywhere. The video is compact and easy to understand.
earl.burton@student.sgu.ac.id	Earl Egan Clark Burton M R	Yes
izzul.izzuddin@student.sgu.ac.id	Izzul Ifwat Bin Izzuddin	Yep, more relevant.
bill.li@student.sgu.ac.id	Bill Brandon	Yes
gregorius.hardianto@student.sgu.ac.id	Gregorius Widhi Hardianto	Yes
jonathan.tjokroaminoto@student.sgu.ac.id	Jonathan Evan	Yes
clifford.gunarsih@student.sgu.ac.id	Clifford David Gunarsih	yes it is very easy to understand and fun

Form_Responses1		
Email Address	Name	Do you need videos made by lecturer like this in the other subjects? WI
brigitta.angelie@student.sgu.ac.id	Brigitta Pricillia Angelie	YESSSS so we can rewatch it whenever we want to if we don't understand the course
ratu.wachyudi@student.sgu.ac.id	Ratu Jagaddhita Dewi Sekar Langit Wachyudi	Yes as it's easier to study with videos rather than scroll through presentations
muhammad.nurianto@student.sgu.ac.id	Najwan Nurianto	Yes because it helps students to access the materials from the lecturer comfortably
prisillia.natalie@student.sgu.ac.id	Prisillia Sthepany Natalie	yes, because we can watch it over and over for studying
abdullah.muhtarif@student.sgu.ac.id	Abdullah Irsyad Muhtarif	Yes we need more video made by lecturer so we can review the lecture exactly the same understanding as what the lecturers teach at the class. Because video in the internet most of the time has different theory regarding the same lecture. So for better understanding the students need videos directly from the lecturers.
earl.burton@student.sgu.ac.id	Earl Egan Clark Burton M R	Yes, it is make student to easier to understand the material.
izzul.izzuddin@student.sgu.ac.id	Izzul Ifwat Bin Izzuddin	Yes, because it becomes more interactive and easy to understand.
bill.li@student.sgu.ac.id	Bill Brandon	Yes, it would help to repeat and remember materies taught by the teacher
gregorius.hardianto@student.sgu.ac.id	Gregorius Widhi Hardianto	Yes. It's more attractive to us, because not just to increase our video editing skill but also to increase our knowledge
jonathan.tjokroaminoto@student.sgu.ac.id	Jonathan Evan	I guess? I suppose it also depends on the lecturers capability in editing, it sometimes becomes irrelevant when the edits are not as engaging.
clifford.gunarsih@student.sgu.ac.id	Clifford David Gunarsih	yes, it helps to understand the materials better

4. BUDGET REALIZATION (if applicable)

- No budget are used in this project

5. SEMESTER LEARNING PLAN

- SLP (Semester Learning Plan) should be attached to the final report
- Find the SLP Template [HERE](#) (THIS SLP TEMPLATE IS FOR CTIF REPORT USE ONLY)

Appendices

Please attach supporting data or documents if necessary