

**[Coastal Erosion Monitoring Platform Based on Wireless Sensor Networks and 3D
Point Clouds from Airborne LiDAR]
[The 2nd Meeting: brainstorm of research collaboration plan and test site survey]
Report/Minutes Form**

I. Organizer:

| | |
|--------------|---|
| Name: | Surasak Boonkla |
| Position: | Researcher (Project Leader) |
| Institution: | National Electronics and Computer Technology Center |

II. Program:

Date: 16 – 17 September 2024

Venue: Prime Park Hotel Bandung, Jl. Penghulu Haji Hasan Mustofa No.47/57,
Neglasari, Kec. Cibeunying Kaler, Kota Bandung, Jawa Barat 40124, Indonesia

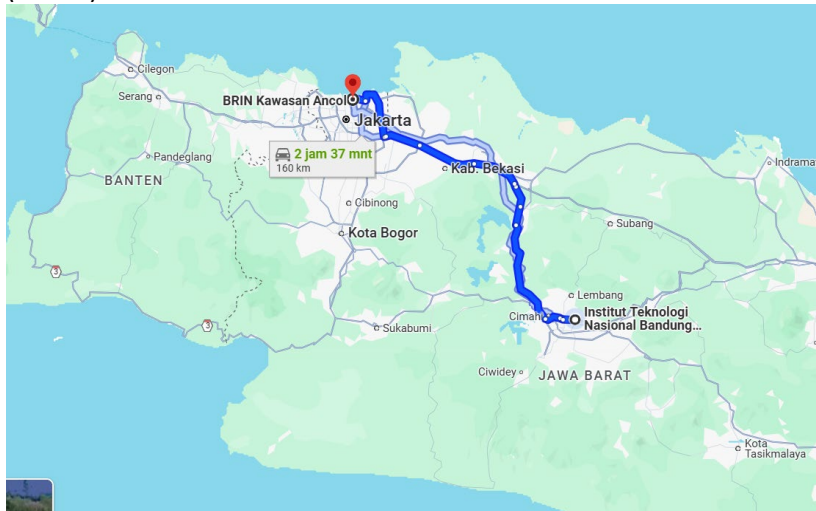
Program Agenda:

The activities during this second onsite meeting are as follows.

1. Research plan and activities presentation by all institutions
2. Brainstorm to make the collaboration plan
3. Summarize the budget plan and CRDA
4. Visit the testing site of coastal area in Bekasi, Indonesia
5. Visit the office of National Research and Innovation Agency (BRIN), Research Center for Oceanography

The schedule is shown in the table below.

| | | |
|--------|---------------|---|
| 16 Sep | 09:00 – 09:20 | Progress report of the project (Dr. Surasak) |
| | 09:20 – 09:40 | Research plan and activities from NECTEC and DMCR (Dr. Surasak) |
| | 09:40 – 10:00 | Research plan and activities from TU (Dr. Akkharawoot) |
| | 10:00 – 10:20 | Research plan and activities from BUU (Dr. Waranrach) |
| | 10:20 – 10:40 | Break |
| | 10:40 – 11:00 | Research plan and activities from ITENAS team |
| | 11:00 – 11:20 | Research plan and activities from SIIT (Dr. Somruedee) (Online) |
| | 11:20 – 11:40 | Research plan and activities from UTM (Dr. Sharifah & Dr. Shafis) |
| | 11:40 – 12:00 | Research plan and activities from CADT (Dr. Hongly) |
| | 12:00 – 13:00 | Lunch |
| | 13:00 – 14:30 | Group discussion and brainstorm to make collaboration plan |
| | 14:30 – 14:45 | Break |
| | 14:45 – 15:15 | Collaboration plan summary |
| | 15:15 – 15:30 | Budget plan summary |
| | 15:30 – 17:00 | CRDA discussion and summary |
| | 18:00 – 19:30 | Official dinner hosted by ITENAS |
| 17 Sep | 08:30 – 09:00 | Reception of research team members by Rector of ITENAS |

| | | |
|--|---------------|--|
| | 09:00 – 12:00 | Travel to National Research and Innovation Agency (BRIN) (Research Center for Oceanography) in North Jakarta by a van. |
| | 12:00 – 13:00 | Launch at BRIN (Solaris restaurant) |
| | 13:00 – 17:00 | Reception and discussion including showcase by NECTEC, DMCR (online) and BRIN.  |
| | 17:00 – 18:00 | Send participants to a hotel in Jakarta. |

III. Participants:

| No. | Name | Organization |
|-----|-------------------------------|--------------|
| 1 | Surasak Boonkla | NECTEC |
| 2 | Jessada Karnjana | NECTEC |
| 3 | Akkharawoot Takhom | TU |
| 4 | Somrudee Deepaisarn (Online) | SIIT |
| 5 | Waranrach Viriyavit | BUU |
| 6 | Pichet Wayalun | BUU |
| 7 | Sharifah Hafizah Syed Ariffin | UTM |
| 8 | Shafishuhaza Sahlan | UTM |
| 9 | Soni Darmawan | ITENAS |
| 10 | Didin Permadi | ITENAS |
| 11 | Dian Noor Handiani | ITENAS |
| 12 | Yessi Nirwana Kurniad | ITENAS |
| 13 | Phut Phalla Kong | CADT |
| 14 | Hongly VA | CADT |
| 15 | Johan Risandi | BRIN |
| 16 | Terry Louise Kepel | BRIN |

IV. Summary of the activities corresponding to the objectives

Objectives of the meeting

1. To introduce new members from CADT, Cambodia.
2. To present research plan and activities from each institution.
3. To brainstorm and discuss collaboration plan of this project.

4. To summarize the research output and activities.
5. To summarize the budget plan and CRDA.
6. To visit the testing site in the coastal area of North Jakarta, Indonesia, to record the status of the coastal erosion before stating the project.
7. To visit the office of National Research and Innovation Agency (BRIN) (Research Center for Oceanography), North Jakarta Indonesia to discuss how to mitigate and manage coastal erosion issues in Indonesia.

Activities corresponding to the objectives on 16 September 2024.

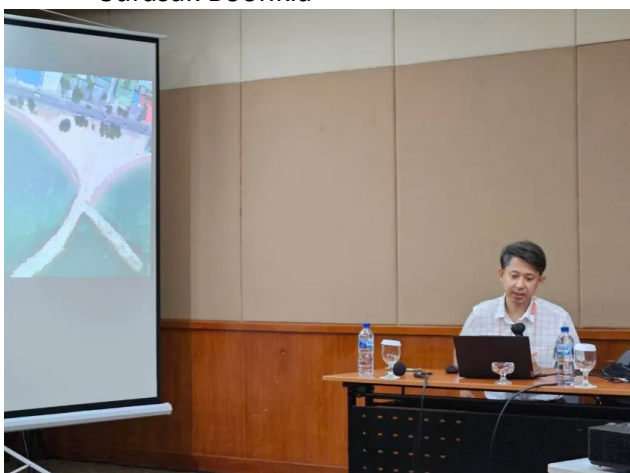
1. Welcome speech from Dr. Didin and Dr. Soni.



2. Member self-introduction to each other



3. Progress report of the project including activities of NECTEC and DMCR by Dr. Surasak Boonkla



4. Research plan and activities of TU by Dr. Akkharawoot



5. Research plan and activities of BUU by Dr. Waranrach



6. Research plan and activities of ITENAS by Dr. Didin, Dr. Soni, Dr. Dian, and Dr. Yessi



7. Research plan and activities from SIIT by Dr. Somruedee (online)

8. Research plan and activities from UTM by Dr. Sharifah and Dr. Shafis



9. Research plan and activities from CADT by Dr. Hongly



10. Brainstorm of budget allocation plan, CRDA, and next meeting of the progress report by Dr. Surasak and Dr. Jessada

11. Conclusion of the meeting



12. Official dinner hosted by ITENAS



Important minutes of the meeting

- Details omitted here.
- Dr. Jessada described the details of CRDA, where each institution needs to fill out, especially the Share of Collaborative Research and Development in the CRDA.

V. Visit ITENAS and BRIN

1. Visit ITENAS



2. Visit BRIN and observe the beach on the top of building.



After discussion with BRIN, we proposed to add BRIN into the project because there are several pieces of research related to activities of the project discussed on 16 September 2024.