

KMUTT Broad Consent Form

Name of researchers:

Principal Investigator: Mrs. Namol Vorapreeda from Research, Innovation and Partnerships Office, KMUTT Telephone: 0-2470-9623 email: namol.vor@kmutt.ac.th

Researchers:

1. Assoc.Prof.Dr. Supapon Cheevadhanarak from School of Bioresources and Technology, KMUTT Telephone: 0-2470-9623 email: supapon.che@mail.kmutt.ac.th
2. Dr. Phongsri Waysarach from Research, Innovation and Partnerships Office, KMUTT Telephone: 0-2470-9623 email: phongsri.way@mail.kmutt.ac.th
3. Mr.Keerati Pinijsattawong from Research, Innovation and Partnerships Office, KMUTT Telephone: 0-2470-9623 email: keerati.pin@kmutt.ac.th

Project consultant: Assoc.Prof.Dr. Bundit Fungtammasan from The Joint Graduate School of Energy and Environment (JGSEE), KMUTT Telephone: 0-2470-9623 email: bundit.fun@gmail.com

Broad Consent Number:.....KMUTT-IRB-BC-2025-002.....

Section 1 Instructions

Data collection is a common procedure for conducting research. The data obtained can be used for a study to gain new knowledge beneficial to society. To employ the data, consent from the owner of the information must be collected for the respect of the person's personal rights. However, as it is still not definite when and with what details the research will be conducted in the future, you are asked for broad consent in advance in case your information is used in the future. You have the rights to give your consent or reject the request for the keeping of the data.

The data to be kept for future research

Data to be collected for future research are any data that the Research Integrity Promotion Unit has collected using questionnaires, interviews, opinions on training courses, scores from learning achievement tests, or observations from KMUTT's lecturers, researchers, support staff, students at all levels and external persons interested in participating in training activities or learning activities on research ethics that the research team organizes or co-organizes including those who have never participated in any training activities but are interested in participating in the questionnaire or interview activities that the research team

has publicized, which may be both Thai and foreigners. Personal information of the person who participates in the above activities may be collected, including name, surname, student ID, employee ID, email or contact phone number. The data may also be collected through interviews or questionnaires, opinions on training courses, or scores from learning achievement tests, etc.

The scope of future research

The data can be used in future research to study appropriate approaches for training and developing research ethics and integrity curricula or learning styles for students, personnel and those interested. The aim is to develop learning outcomes, learning processes, teaching techniques and teaching processes in research ethics at KMUTT and the country.

Methods of data storage

Data will be collected by conducting data collection using questionnaires, interviews, tests or observations from KMUTT's lecturers, researchers, support staff, students at all levels, and outsiders who are interested in participating in training activities or learning activities on research ethics and integrity that the research team organizes or co-organizes, including those who have never attended training. By Mr. Keerati Pinijsattawong who is the data administrator, collecting data from volunteer groups by answering questionnaires or various assessments. The data administrator will use a code to create anonymized data and then send the anonymized data to the researchers for analysis. The researchers will keep the data for no more than 3 years after the project is closed.

Duration of Research

Research Duration 3 years

From: July 2025

To: June 2028

Duration for the storage of the data (From the time of storage until the time of data destruction)

Data administrator collects data from respondents or various assessments such as Google form files, Interview audio files, score tables, etc. are stored on computers and Google drives that are encrypted by researchers and the backup system of the research ethics and governance work in NAS storage and external hard disk with assigned access rights and password. Only the data administrator and persons authorized by the project leader or data administrator will have access to the personal data of the project participants. The researchers will keep such data for **no longer than 3 years after the project closure by July 2031.**

Data Destruction

Principle investigator, data administrator, and authorized persons with access to the data will destroy the data by permanently deleting the files on the computer, in the recycle bin, Google Drive, and in the backup system such as NAS storage or External hard disc, when 3 years have passed since the completion of the research project **by July 2031**.

Research implication

The findings from this study serve as a strategic resource to advance the academic discourse and institutional practices related to research integrity education. Specifically, they provide an empirical foundation for the refinement of curricula, pedagogical frameworks, and capacity-building programs aimed at enhancing ethical awareness among students and academic personnel. By informing the development of instructional methodologies, learning outcomes, and training mechanisms, the research contributes to the systematic strengthening of research ethics education at King Mongkut's University of Technology Thonburi (KMUTT), with broader implications for national-level implementation and policy alignment.

The risks involved in using the information future research

The use of data for research that involves the collection and storage of information to enhance teaching and learning outcomes is considered a low-risk activity for participants. Potential risks may include minor inconvenience or mild stress resulting from assessment tasks. This type of research does not pose physical harm to data owners; however, there are potential risks associated with the exposure or unauthorized disclosure of personal information to individuals not involved in the research.

To mitigate these risks, the research team has implemented strict data confidentiality protocols. Access to data is restricted to the principal investigator, the designated data administrator, and authorized personnel only. The data administrator is responsible for de-identifying the information through coding, thereby producing anonymized data that is subsequently provided to the research team for analysis.

There might be certain cases when the information has to be disclosed to

- Government organizations with the authority to access the data for an examination
- KMUTT Institutional Review Board
- Funding organizations/ person for the research project might ask for an examination when necessary

Informing the unexpected research findings to the owner of the information

During the research process, certain unforeseen findings related to participants' learning may emerge. If such findings are deemed significant, students and staff will be notified via the contact channels they provided at the time of participation.

This involves both advantages and disadvantages to be carefully considered as follows:

1. If the owner of information states that he/she does not want to be informed of any information obtained from future research.
 - Advantages: good for confidentiality of the personal information as the researcher will not know the identity of the owner of the information.
 - Disadvantages: no chances of gaining benefits from the research
2. If the owner of information states that he/she would like to be informed of any information obtained from the future research
 - Advantages: have chances of gaining benefits from the research
 - Disadvantages: the researcher will know the identity of the owner of the information.

The persons permitted to use the information for future research

In addition to the principal investigators, faculty members, and educational developers involved in data collection, other researchers may express interest in accessing the data for future research purposes. Any such use of the data must receive formal consent from the original data administrator prior to disclosure or reuse.

Contact information

If you have any questions concerning the storage, maintenance, or the use of the information for future research, please contact:

Principal Investigator : Mrs. Namol Vorapreeda from Research, Innovation and Partnerships Office, KMUTT Cellphone: 089-496-0712 email: namol.vor@kmutt.ac.th

Data administrator: Mr. Keerati Pinijattawong from Research, Innovation and Partnerships Office, KMUTT Telephone: 0-2470-9623 email: keerati.pin@kmutt.ac.th

If you have any questions concerning the rights upon the storage, maintenance, or the use of the information/ specimen for future research, please contact

Chair of the KMUTT Institutional Review Board
 Research, Innovation and Partnerships Office,
 7th floor, the Office of the President Building
 King Mongkut's University of Technology Thonburi

126 Pracha Uthit Rd., Bang Mod, Thung Khru, Bangkok, 10140
 Tel. 0-2470-9623 Fax. 0-2872-9083
 E-mail: irb@kmutt.ac.th

Section 2 Consent for the collecting of information to be used for future research

- The owner of the information is asked to carefully read and consider the following statements. For certain statements, the owner of the information can choose whether to give his/her consent or not by marking a ✓ in the preceding statements

- After the owner of the information carefully reads and considers the following statements, and agrees to give his/her consent to the researcher to collect the information for future research, please sign and date the document in the final section.

2.1 By giving consent, the owner of the information agrees that he/she:

Has read this consent form (or the researcher read it to him/her) and asked questions from the researcher until it is fully understood

Has been informed of the risks and benefits that might occur from this study

Must be 20 years of age or older and willing to give information to be used for future research. If “the owner of the information/ specimen” is an underage (with an age less than 20 years old), or is a patient, an incompetent person, or a quasi-incompetent person, this document must be signed by his/her legal guardian/ authorized representative.

He/she can withdraw his/her consent at any time during the period the data is stored without any negative effects upon any rights/ benefits he/she has prior to this. The owner of the information can inform the researcher or Data administrator at

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2.2 Permission to contact the owner of the information/ specimen in the future

The owner of information states that he/she does not want to be informed of any information obtained from the future research. Advantages: good for confidentiality of the personal information as the researcher will not know the identity of the owner of the information. Disadvantages: no chances of gaining benefits from the research, or

The owner of information states that he/she would like to be informed of the information obtained from the future research. Advantages: having chances of gaining benefits from the research. Disadvantages: the researcher will know the identity of the owner of the information.

Concept Proposal

1. Title of the research project

“Advancing Research Integrity Learning at King Mongkut’s University of Technology Thonburi and Other Higher Education and Research Institutions in Thailand”

2. Research team

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from The Joint Graduate School of Energy and Environment (JGSEE), KMUTT

Telephone: 0-2470-9623 email: bundit.fun@gmail.com

3. Responsible Organization/ Institute

Organization/ institute: Research, Innovation and Partnerships Office, KMUTT

Research/ data collection site: Onsite at KMUTT or online training activities or learning activities on research ethics and integrity that organizes or co-organizes by the research team.

4. Rationale

It is widely acknowledged that research plays a pivotal role in driving national progress and enhancing competitiveness on the global stage. As a key source of knowledge, technology, and innovation, research strengthens the country’s capacity for global engagement and sustainable development. High-quality research, conducted in accordance with recognized standards, lays the foundation for intellectual advancement across fields such as science, technology, industry, medicine, and environmental studies.

Effective research requires not only the creativity and academic expertise of researchers but must also adhere to internationally accepted research standards. These standards ensure credibility, transparency, and accountability in the research process. By

minimizing the risk of ethical misconduct and reinforcing the potential for commercial and policy-level applications, robust standards contribute to the integrity and impact of research outcomes.

The National Research Council of Thailand (NRCT) plays an important role in establishing and promoting research standards and ethical practices. Its mission includes the development of systematic mechanisms for research oversight, quality assurance, and the adoption of best practices. NRCT also supports various domains of ethical standards such as human research ethics, animal research protocols, and biosafety measures to ensure that research conducted in Thailand aligns with international norms and fosters public trust.

Integral to NRCT's mission is the promotion of **Research Integrity (RI)**, which emphasizes honesty, transparency, and responsible conduct of research (RCR) among researchers and institutions. Strengthening RI requires that all personnel engaged in research—including those in higher education and research institutes—possess foundational knowledge of ethical research practices. RCR helps researchers maintain accountability and comply with ethical standards, thereby reducing risks such as plagiarism, data fabrication, and falsification. Education in RCR further promotes respect for participant rights, data security, and transparency, which are essential to building a resilient and globally respected research system.

In alignment with these objectives, the research team at King Mongkut's University of Technology Thonburi (KMUTT) seeks to collect data from diverse volunteer groups, including faculty, researchers, support staff, students at all levels, and external individuals interested in participating in training or learning activities related to research ethics. This includes those who have previously attended related events organized or co-organized by the research team, as well as those with no prior experience in such activities who wish to participate in surveys or interviews promoted by the researchers. Participation may include both Thai and international individuals.

The collected data will be used to study, analyze, and enhance KMUTT's research integrity learning framework—aiming for improved educational outcomes and institutional efficiency. To maximize the effectiveness of RI promotion, it is essential to continuously develop ethical research guidelines and curricular materials that are contextually relevant and pedagogically sound. Furthermore, the principles and training modules developed will be disseminated to other academic and research institutions across Thailand, contributing to a wider cultural shift toward ethical research practices and fostering collaborative networks both nationally and internationally.

5. The scope of future research

Data collected through activities promoting research integrity—including surveys, interviews, feedback on training curricula, learning achievement scores, and observational

methods—may be retained for future research purposes. Such data will be gathered from a broad range of participants, including faculty members, researchers, support staff, and students at all levels at King Mongkut’s University of Technology Thonburi (KMUTT), as well as external individuals interested in engaging in training or educational activities on research ethics. This includes both Thai and international individuals who have participated in organized or co-organized events, or who voluntarily choose to respond to questionnaires or participate in interviews promoted by the research team, even without prior training involvement.

Personal data that may be collected includes:

- Full name
- Student or employee identification number
- Email address
- Telephone number

Additional data may derive from interviews, surveys, feedback on training curricula, and learning outcome assessments.

The collected data will serve as a foundation for the continued development and refinement of research integrity promotion initiatives. This includes the advancement of ethical guidelines, curricula, and training programs for faculty, researchers, support staff, and students across KMUTT. Ultimately, the research aims to foster ethical research values both within the university and at the national level.

6. Research Duration

Research Duration 3 years

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7. Methods for the collecting and storage the data

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8. Confidentiality

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9. The risks that may occur when using the information in future research

The use of data for research that involves the collection and storage of information to enhance teaching and learning outcomes is considered a low-risk activity for participants. Potential risks may include minor inconvenience or mild stress resulting from assessment tasks. This type of research does not pose physical harm to data owners; however, there are potential risks associated with the exposure or unauthorized disclosure of personal information to individuals not involved in the research.

For students under the age of 18. The researcher will seek consent when the data owner reaches the age of 18. Any data received from students under the age of 18 will be stored separately and will only be used after proper consent has been obtained.

To mitigate these risks, the research team has implemented strict data confidentiality protocols. Access to data is restricted to the principal investigator, the designated data administrator, and authorized personnel only. The data administrator is responsible for de-identifying the information through coding, thereby producing anonymized data that is subsequently provided to the research team for analysis.

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10. Expected benefits obtained when the research is done

The use of a Broad Consent form to collect data from participants in regularly organized research integrity promotion activities—hosted by the Office of Research, Innovation, and Partnerships—is intended to support ongoing research and educational development. This data collection will serve as a foundational element in strengthening the operational effectiveness of research integrity initiatives.

It further supports the development of ethical and integrity guidelines and the design of educational and training curricula in research ethics for faculty members, researchers, support staff, and students at all levels within King Mongkut’s University of Technology Thonburi (KMUTT). The ultimate objective is to cultivate and advance ethical research values both within KMUTT and more broadly across Thailand.