



Progress Report on the Research Project Awarded by Mahidol University

No. Month.....Year

- Month.....Year.

1. The research grant is approved as of the fiscal year
2. Project Title:
 - (Thai).....
 - (English).....
3. Project Leader's name.....
 - Contact Address:
 - Tel: Fax: E-mail:
4. The entire project period: years
 - The project begins from MonthYear..... to MonthYear
5. The entire project budget THB (If it is the continuous project, please specify the grant on an annual basis.)
 - Year 1 (B.E. 25.....)THB
 - Year 2 (B.E. 25.....)THB
 - Year 3 (B.E. 25.....)THB
6. Objectives/major results of the project
 - This section describes the major work results of the project and the person (e.g. a group of people, work unit, organization, or industrial company) who will gain benefits from the project and who will adopt the work results.
7. Activity-oriented objectives
 - This section explicates what the project examines, to solve a problem or to achieve goal-oriented objectives, and to respond to the research plan of the research project.
8. Potential benefits of the project, please specify clearly, for example,
 - 8.1 The research project can lead to impact in what aspects and how (for example, before the research project, the productivity is low and the cost is high, thereby resulting in economic loss, especially for imported products. After this research project exists, how does it help to solve such problems and provide opportunities? In addition, it is interesting to know how the research project assists in ameliorating potentialities in manufacturing/competition of goods, domestic services, and values.) Or,
 - 8.2 How and in what way does the research project partly alter lifestyle, social structure, environment, or public health? Or,
 - 8.3 For the research project with technological development, explain what advantages or disadvantages the selected technologies or options have that outdo existing approaches and other forms and how?
9. Academic details gained from the research project
 - 9.1 The progress of research at the time of reporting

This portion is deemed the major part of the report, please describe all details accurately and clearly.

For this section, the researcher **shall elaborate** on the progress of the research, by introducing the readers from the beginning and a summary of the previous progress report, before present the current progress report by describing

- **Research methodology**
- **Experiment result:** In reporting the results, the researcher should identify the scientific data gained from the research. If there are illustrations, diagrams, tables, data analyses, and any other data, put them into the report. Moreover, the researcher should elucidate the planned research compared to the research results at the time of reporting as well as the features of work that will be further implemented in this research project.
- **Experimental results and discussions**
- **International collaboration (Please specify the name of the researcher, the institute, the activities, the mobility of the Thai researchers to abroad, the mobility of foreign researchers to Thailand, the online meeting, etc.)**

9.2 Table which shows progress of the research result

In addition to the details in the Item 9.1, the researcher shall present the table showing the progress of the research result in Table 9.1 as well.

Table 9.1 Progress of the research result at the time or reporting compared to the research plan of the entire project.

| Details of the Plan | Progress of the Research Result | | Results |
|---------------------|---------------------------------|-----------------------|---------|
| | Year 1 (B.E. 25.....) | Year 2 (B.E. 25.....) | |
| | Months 9th | Months 18th | |
| 1. | | | |
| 2. | | | |
| 3. | | | |

←————→ The whole planned research project ←-----▶ The research results until now

Table 9.2 Performance result target in each period of time

| Months | Expected Outcome | Actual Outcome |
|--------|------------------|----------------|
| 9 | | |
| 18 | | |

- Does the work as successful as proposed?
In this section, the researcher explicates whether the research is achieved as the goal proposed or not? If not, the researcher should specify reasons and problems of the research study.
- Difficulties or problems
In this section, the researcher should state difficulties, problems, and the cause of the research result delay.

- Guidelines for problem solving and difficulty reduction

In this section, the researcher should verify a way to solve problems and overcome all difficulties during the research conduct in order to prevent these problems to carry on.

10. Budget details (specify detail in each section clearly)

Budget of the fiscal year: (B.E. 25.....), amounting toTHB.....

Budget of the previous installment: (B.E. 25.....), amounting toTHB.....

Table 10.1 Budget details

| Budget details | Received budget (THB) | Spent expenses (THB) | Balance (THB) |
|--|-----------------------|----------------------|---------------|
| 1. Personnel budget | | | |
| 2. Operation budget | | | |
| 3. Equipment or laboratory renovation budget | | | |
| Total | | | |

The next installment to be reimbursed (No.), amounting to ...THB.....

The durable goods already purchased (if any)

.....

11. A summary of the implemented research results (not more than an A4 page)

In the event of the continuous project, the researcher should summarize the implemented research results, but not longer than an A4 page.

12. The research result equals % of the whole research project.

13. Other research results from the research project

The researcher should report other research results in accord with the list in Table 13.1 consisting of work result format, student production, patent, and research result presentation.

Table 13.1 Other research results from the research project

| Research Result | Description |
|---|--|
| 1. Research result format, e.g. model of product/cutting edge procedure/state-of-the-art technology/knowledge body | |
| <input type="checkbox"/> No clear research result | |
| <input type="checkbox"/> Clear research result as follows (specify a brief detail of each format) | |
| <input type="checkbox"/> Product model/Prototype <input type="checkbox"/> Cutting edge procedure/ Process <input type="checkbox"/> State-of-the-art technology <input type="checkbox"/> Body of Knowledge | 1.1 Commercial aspect (state company/organization/institution and a brief activity to which the research result is applied) <input type="checkbox"/> a. Already implemented <input type="checkbox"/> b. Under implementation <input type="checkbox"/> c. There is still no commercialization of the research output <input type="checkbox"/> There is an implementation plan on Day/Month/Year If there is a need for the University to coordinate with the private or government sectors, please let the University know. <input type="checkbox"/> Others, please specify..... |
| | 1.2 Public interest aspect (specify Case 1 and/or 2) 1.2.1 <u>Case 1</u> refers to the process in which the research result is transferred to the government/private/community/group of people without expecting on a non-profit basis (please specify the work unit/community/group of people who gain benefits from such research results together with a brief activity of the research result application) 1.2.2 <u>Case 2</u> refers to the dissemination of the research result through conference/seminar/training (please specify the conference title, Day/Month/Year of the event, and the venue) <input type="checkbox"/> a. Already implemented <input type="checkbox"/> b. Under implementation <input type="checkbox"/> c. There is still no commercialization of the research result <input type="checkbox"/> There is an implementation plan on Day/Month/Year |

| Research Result | Description |
|---|---|
| | <p>If there is a need for the University to coordinate with the private or government sectors, please let the University know.</p> <p><input type="checkbox"/> Others, please specify.....</p> <p>Remark: if there is more than one form of the research output, the researcher should state the application in each format, for example, Project A. has 2 forms which are 1) product prototype and 2) state-of-the-art technology, the researcher, then, needs to state application of both types.</p> |
| 2. Student mentoring | |
| <input type="checkbox"/> No student mentoring in this project | |
| <input type="checkbox"/> There is student mentoring in this project. Master's Degree.....persons Ph.D. Degree.....persons | <p>State student's name/degree/special problem-research-thesis/study status (studying or already graduated)</p> <p><input type="checkbox"/> Studying</p> <p><input type="checkbox"/> Passed Thesis proposal examination Date of examination</p> <p><input type="checkbox"/> Passed Qualification examination Date of examination</p> <p><input type="checkbox"/> On the process of research abroad (Specify country)</p> <p><input type="checkbox"/> Already graduated Date of Graduation</p> |

| Research Result | Description |
|--|---|
| 3. Patent | |
| <input type="checkbox"/> 3.1 Obtain a patent | State the research result format that is applying for a patent, day/month/year of the application, no. of a patent, and the country of obtaining a patent. |
| <input type="checkbox"/> 3.2 Applying for a patent | State the research result format that is applying for a patent, day/month/year of the application, filing number of a patent, and the country of obtaining a patent |
| <input type="checkbox"/> 3.3 Preparing patent application | State the research result format that is applying for a patent. |
| <input type="checkbox"/> 3.4 Not applying for a patent yet | <input type="checkbox"/> a. Require consultancy of the patent officer of the University <input type="checkbox"/> Others, please specify |

| | | |
|---|--|--|
| 4. Research result presentation | | |
| <input type="checkbox"/> 4.1 No research result presentation | | |
| <input type="checkbox"/> 4.2 Research result presentation in the following format | | |
| 4.2.1 Academic article | | |
| <input type="checkbox"/> 4.2.1.1 Journal | | |
| | | Status |
| | <input type="checkbox"/> a. National (State the researcher and/or co-researcher, year, title, journal, year, volume, no., and page numbers) | <input type="checkbox"/> In preparation <input type="checkbox"/> Submitted <input type="checkbox"/> Accepted, In press <input type="checkbox"/> Published |
| | <input type="checkbox"/> b. International (State the researcher and/or co-researcher, year, title, journal, year, volume, no., and page numbers) | <input type="checkbox"/> In preparation <input type="checkbox"/> Submitted <input type="checkbox"/> Accepted, In press <input type="checkbox"/> Published |
| <input type="checkbox"/> 4.2.1.2 Book/Manual/Textbook | <input type="checkbox"/> a. Thai (State the author and/or co-author, year, title, journal, year, volume, no., and page numbers) | <input type="checkbox"/> In preparation <input type="checkbox"/> Published |
| | <input type="checkbox"/> b. English (State the author and/or co-author, year, title, journal, year, volume, no., and page numbers) | <input type="checkbox"/> In preparation <input type="checkbox"/> Published |

| Research Result | Description |
|--|--|
| <input type="checkbox"/> 4.2.1.3 Conference documentations | <input type="checkbox"/> a. National (State the researcher's name and/or co-researcher's name, research title, conference title, Day/Month/Year of the conference and venue) <input type="checkbox"/> Proceedings <input type="checkbox"/> Book of Abstracts |
| | <input type="checkbox"/> b. International (State the researcher's name and/or co-researcher's name, research title, conference title, Day/Month/Year of the conference and venue) <input type="checkbox"/> Proceedings <input type="checkbox"/> Book of Abstracts |

| Research Result | Description |
|-------------------------|--|
| 4.3 Academic Conference | <input type="checkbox"/> a. National (State the researcher's name and/or co-researcher's name, research title, conference title, Day/Month/Year of the conference and venue) <input type="checkbox"/> Oral Presentation <input type="checkbox"/> Poster Session |
| | <input type="checkbox"/> b. International (State the researcher's name and/or co-researcher's name, research title, conference title, Day/Month/Year of the conference and venue) 1. Domestic Conference <input type="checkbox"/> Oral Presentation <input type="checkbox"/> Poster Session 2. International Conference <input type="checkbox"/> Oral Presentation <input type="checkbox"/> Poster Session |

| | |
|---|---|
| 5. Award/Certificate from this research result | |
| <input type="checkbox"/> No Award/Certificate | |
| <input type="checkbox"/> Award/Certificate | |
| <input type="checkbox"/> Local | (State the award/certificate name, the research result that leads to such honor, obtained, the organization providing such award, and Day/Month/Year of being awarded.) |
| <input type="checkbox"/> International | (State the award/certificate name, the research result that leads to such honor, obtained, the organization providing such award, and Day/Month/Year of being awarded.) |
| 6. International collaboration (Please specify the name of the researcher, the institute, the activities, the number of research papers published together, etc.) | |

Signature..... Principle investigator
 Date:/...../.....