IMPLEMENTATION HANDBOOK

FREEDOM TO LEARN – INDEPENDENT CAMPUS (MERDEKA BELAJAR-KURIKULUM MERDEKA - MBKM)

FACULTY OF AGRICULTURAL TECHNOLOGY
UNIVERSITAS BRAWIJAYA

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ACADEMIC TEAM OF FACULTY OF AGRICULTURAL TECHNOLOGY, UB
1. FREEDOM TO LEARN PROGRAM

The Freedom to Learn - Independent Campus (FLIC) (in Bahasa is known as Merdeka Belajar Kampus Merdeka - MBKM) Policy is by following under Education and Culture Ministerial Regulation No. 3 of 2020 about National Standards for Higher Education, Article 18 states that the fulfillment of the period and study load for students of undergraduate or applied undergraduate programs can be carried out with: 1) follows the entire learning process in the study program at universities according to the period and study load; and 2) follows the learning process in the study program to fulfill part of the load and study period while the rest follows the learning process outside the study program.

Through Freedom to Learn - Independent Campus, students have the opportunity for 1 (one) semester or the equivalent of 20 (twenty) credits of studying outside the study program at the same college; and a maximum of 2 (two) semesters or the equivalent of 40 (forty) credits of studying in the same study program at different college, learning in different study programs at different college; and/or learning outside the college.

Freedom to Learn - Independent Campus is implemented under the Merdeka Curriculum. Not all students are required to take Merdeka Curriculum. This curriculum applies to the interested student. The cost consequences arising from the implementation of the Merdeka Curriculum are paid for by the students. The Merdeka Curriculum at Faculty of Agricultural Technology Universitas Brawijaya (FAT UB) is guided by the Freedom to Learn Guide - Independent Campus from the Ministry of Education and Culture and Institute of Education Development and Quality Assurance Universitas Brawijaya which consists of two parts.

1. Learning process outside the study program at Universitas Brawijaya which consists of 20 credits
2. Learning for 20-40 university credit equivalent to 6-12 months which done by taking 1 or 2 from 8 provided options in Freedom to Learn - Independent Campus (Figure 1), such as:
   a. Internship
   b. Teaching Assistants in the Education Unit
   c. Research / Research
   d. Humanity Project
   e. Entrepreneurial Activities
   f. Independent Project
   g. Develop Village / Thematic Real Work Lecture (TSCS)
   h. Student exchange

Students can take number 1 or 2 or both.

In general, the value equalization of Freedom to Learn - Independent Campus activities can be grouped into 3 forms, such as:

1. Freeform based on the distribution of Learning Outcomes.
2. Structured form based on the course’s equalization.
3. Blended form (Combination of 1st form and 2nd form).

FAT Universitas Brawijaya uses the free form and does not equivalent the courses in the study program curriculum.
2. LEARNING OUTSIDE THE STUDY PROGRAM IN UNIVERSITAS BRAWIJAYA

Learning outside the study program can start in semester 2. Students can take courses outside the study program at FAT Universitas Brawijaya with courses coded TPF or MKU. The MKU code indicates the general course code consisting of Religion, Citizenship, Pancasila, and Indonesian Language. The TPF code indicates that the course is a joint course managed by the faculty and is a course from a minimum of two study programs in FAT. Courses coded with MKU and TPF can be taken as a cross-program study course in FAT. The courses that can be taken outside the study program outside FAT Universitas Brawijaya are courses coded MKU. For this MKU-coded course, students can take it outside the study program either on FAT or outside FAT. In addition to the courses with TPF and MKU codes, students can take other courses offered by other study programs both at FAT and outside of FAT but still at Universitas Brawijaya that is included as elective courses. Students can take 20 credits of courses outside the study program both inside FAT and outside FAT but still at Universitas Brawijaya in the form of courses coded with TPF or MKU as compulsory courses, or other courses offered by other study programs both inside and outside FAT as compulsory or elective courses.

This program can be started at least from semester 2 to semester 6 in installments and not simultaneously taking 20 credits outside the study program in 1 semester. The process of taking the courses outside the study program is carried out by including it in the Study Plan Sheet (KRS) in consultation with the academic supervisor then students process KRS according to applicable procedures.
3. ACTIVITY OUTSIDE UNIVERSITY COLLEGE

Students who take a Freedom to Learn Program are required to take 1-2 choices from the 8 options offered. Each choice is equivalent to 20 credits. Both options are taken in semesters 7 and 8. Options that can be integrated with a thesis Final Project are those that contain elements of design, development, and research including

1. Research outside Universitas Brawijaya
2. Internship in industry
3. Entrepreneurship
4. Independent project
5. Student Community Service (KKN), if there is a project, design, or development in its implementation.

3.1. Internships/Work Practices

So far, students have had less work experience in the real industry / professional world, so they are not ready to work. Meanwhile, short-term internships (less than 6 months) are not sufficient to provide students with industry experience and competence. Companies that accept internships also say that short-term internships are useless, and they even disrupt activities in the industry.

The objectives of the internship program include:

1. The internship program of 1-2 semesters, with 20-40 credits of credits will provide students with sufficient experience, direct learning in the workplace (experiential learning). During the internship, students will get hard skills (complex problem-solving skills, analytical skills, etc.), as well as soft skills (professional / work ethics, communication, cooperation, etc.).
2. The industry gets talents that, if suitable, can be recruited immediately, thereby reducing recruitment costs and initial / induction training. Students who are familiar with the workplace will be more resilient in entering the world of work and careers.
3. Industries that can be used as places for apprenticeship are medium to large industries whose eligibility is determined by the supervisor and the head of the study program.
4. Industrial problems will flow to universities that updating teaching and learning materials for lecturers as well as research topics in universities will be more relevant.
5. Students will learn to solve real problems in the world of work.
6. Internship activities can be integrated with the Final Project if there are aspects of research, design, and development in the implementation of the internship.

Learning activities are carried out in collaboration with partners, including companies, non-profit foundations, multilateral organizations, government institutions, or own companies. The topic of the internship carried out by students must be by following per under the learning outcomes of the study program. The internship program process is as follows:

1. Students are looking for internship partners or enrolling in faculties or schools that offer or have collaborated with partners to accept internships.
2. Students can find internships on their own
3. If students are looking for an internship partner themselves, a cover letter for the internship can be submitted to the Academic Sub-Division of FAT Universitas Brawijaya
4. In semester 6, students can start looking for internship partners
5. The Internship program is held in semester 7 or thereafter
6. Students program an internship in a Study Plan Sheet that is approved by the academic supervisor
7. For the introduction of the internship is submitted to the Academic Subdivision of FAT Universitas Brawijaya, by showing proof of acceptance of the internship from the partner.
8. Under certain conditions, the faculty or department can carry out a selection of students if the placement in the internship partner is coordinated by the faculty or department.
9. Students do an internship at a collaboration partner for 1 or 2 semesters (the equivalent of 20 or 40 credits), with a duration of 6 months to 1 year according to the agreement with the intern partner.
10. Supervisors and apprenticeship supervisors conduct monitoring and assessment of internship students.
11. During the apprenticeship process, students receive guidance from the field supervisor at the internship.
12. Students are required to make a logbook of activities during the internship which is signed by the supervisor from the partner.
13. Students are required to make an apprenticeship activity report after completing the activity and present it in front of the supervisor.
14. The assessment of the results of the internship is a combination of field supervisors and supervisors from FAT Universitas Brawijaya. The value of the internship results will be entered into the Study Result Sheet (KHS) and reported to Higher Education Database.
15. Apprentice partners can provide certificates as a form of recognition for the student internship program.

Credits (SKS) Weight, Equivalence, and Assessment

The focus of a Freedom to Learn program is on learning outcomes. The higher education curriculum is not just a collection of courses but is a design of a series of education/learning processes to produce learning outcomes.

In general, the equalization of the Freedom to Learn - Merdeka Campus activities weight can be grouped into 2 forms, such as the free form and the structured form. FAT Universitas Brawijaya will equalize the results of the internship in free form. This form of equivalent is expressed as additional courses (elective courses) in the transcript. An internship can also be integrated as a Final Project if it meets the criteria of the Final Project, which contains elements of research, development, or design. This Internship activity is equated as a course if:
1. Internship FLIC (20 credits) if not integrated with the Final Project
2. Internship FLIC (40 credits) if not integrated with the Final Project, divided into 20 credits each into odd and even semesters, and remember that total credits taken should not be more than 160 credits
3. If it is integrated with the Final Project, it will become a thesis integrated Internship FLIC course (14 credits) for an internship of 20 credits (6 thesis and 14 credits FLIC non-thesis apprenticeship), and for Internship activities 40 integrated undergraduate theses into a
FLIC apprenticeship course 14 credits and 20 credits of internship FLIC courses taken in different semesters.

3.2. TEACHING ASSISTANCE IN AN EDUCATION UNIT

Learning activities in the form of Teaching FLIC are done by students at educational units such as elementary, middle, and high schools. The school for this program can be located in a city or a remote area.

The objectives of the teaching assistant program in educational units include:
1. Provide opportunities to students who have an interest in education to participate in teaching and deepen their knowledge by becoming teachers in educational units.
2. Helping to increase equity in the education quality, as well as the relevance of primary and secondary education to higher education and era development.

The process of the teaching assistant program in educational units is as follows:
1. Students are looking for partners in educational units (Vocational High School / High School or other schools) or enroll in faculties or departments that offer or have collaborated with partners to receive teaching assistance programs.
2. Students can find their partners for teaching assistance.
3. If students are looking for their educational unit partners, a cover letter for the teaching assistant program can be submitted to the Academic Sub-Division of FAT Universitas Brawijaya.
4. In semester 4 or the semester thereafter (depending on the study program curriculum), students can start looking for an education units’ partner.
5. This assistance program is implemented in the 5th semester or thereafter depending on the curriculum of the study program.
6. Students program these teaching assistance programs in a Study Plan Sheet that is approved by the academic supervisor.
7. The cover letter for teaching assistance is submitted to the Academic Subdivision of FAT Universitas Brawijaya, by showing evidence of acceptance of teaching assistance from partners.
8. Students provide teaching assistance in partner education units for 1 semester or the equivalent of 20 credits with a duration of 6 months or 40 credits with a duration of 2 months.
9. Implementation of teaching assistance can be done between the time of taking compulsory courses of the study program. For example, in the Study Program of Food Science and Technology in semester 5, there is a slot for taking elective courses of 8 credits that can be used by students to take teaching assistance as much as an allocation of 8 credits (50 minutes/week X 8 credits X 16 weeks) = or in one teaching week 400 minutes or the equivalent of 6-7 hours. In semester 6, because there are 10 credits for elective courses, the teaching load is equivalent to 10 credits, and in the next semester teaching with 2 credits. Thus, students receive 20 credits of teaching assistance that are done in 3 semesters. After teaching assistance has been completed, assessments can be carried out and students can program teaching assistance where this program can be
completed, for example, even though teaching assistance has been implemented since semester 5 but the program is completed in semester 7, then in semester 7 the number of teaching assistance credits can be programmed in KRS. Students can also take teaching assistance in full in the 7th or 8th semester and/or thereafter which is equivalent to 20 or 40 credits (if 40 credits, the total credits should not be more than 160 credits).

10. The teaching assistants and field supervisors monitor and assess the teaching students.

11. During the teaching assistance process, students receive guidance from field supervisors at the educational unit.

12. Students are required to make a logbook of activities during the teaching assistance signed by the supervisor from the partner.

13. Students are required to make reports on teaching assistance activities which were presented in front of the supervisor.

14. The assessment of teaching assistance results is a combination of field supervisors and supervisors from FAT Universitas Brawijaya. The value of the teaching assistance results will be entered into the Study Result Sheet and reported to Higher Education Database as teaching assistance FLIC courses (20 or 40 credits)

15. Educational unit partners can provide certificates as a form of recognition for student teaching assistance programs.

3.3. RESEARCH OUTSIDE OF UNIVERSITY

Students who have a passion for being researchers can make it happen through an independent learning curriculum in the form of research activities at research institutes/study centers or outside Universitas Brawijaya. Through research, students can build critical thinking, which is very much needed for various scientific families at the higher education level. With the ability to think critically, students will explore, understand, and be able to do research methods better. For students who have an interest and desire to work in the research field, the opportunity to intern in a research center laboratory is their dream. In addition, laboratories/research institutes or several universities abroad sometimes lack research assistants when working on short-term research projects (1 semester - 1 year).

Freedom to Learn student research can also be done outside the Universitas Brawijaya as a collaboration between universities and their students as joint research students. The purpose of research in other universities is to provide broader insights, interact with various situations, and experience research in other universities, especially overseas.

The objectives of the research/research program include:

1. It is hoped that student’s research can be improved in quality. In addition, the student experience in a large research project would topically strengthen the research talent pool.

2. Students gain research competence through direct mentoring by researchers at research institutes/study centers or researchers/lecturers from other universities.

3. Improve the ecosystem and the quality of research in laboratories and research institutes in Indonesia by providing research resources and regenerating researchers from an early age.
The research/research program process flow mechanism is as follows:
1. Students look for research partners outside Universitas Brawijaya or register at the faculty or department that offers it if they have collaborated with partners to accept joint research students.
2. Students can find their research partners outside PT.
3. If students are looking for their research partners, a cover letter can be submitted to the Academic Sub-Division of FAT Universitas Brawijaya.
4. In semester 6, students can start looking for research partners outside Universitas Brawijaya.
5. Research programs outside Universitas Brawijaya are held in the 7th semester or after.
6. Students program research programs outside Universitas Brawijaya in a Study Plan Sheet that is approved by the academic supervisor.
7. The cover letter for research outside Universitas Brawijaya is submitted to the Academic Subdivision of FAT Universitas Brawijaya, by showing evidence of research acceptance outside Universitas Brawijaya from the partner.
8. In certain conditions, the faculty or department can carry out a selection of students who will research outside Universitas Brawijaya.
9. Students research partners outside Universitas Brawijaya for 1 or 2 semesters (equivalent to 20 or 40 credits), with a duration of 6 months to 1 year according to the agreement with the research partner.
10. Lecturers and outside Universitas Brawijaya research advisors conduct monitoring and assessment of research students.
11. The research supervisor at FAT Universitas Brawijaya is the student's thesis supervisor. As the output of research outside Universitas Brawijaya, students are required to write a report on research activities outside Universitas Brawijaya as well as a thesis and/or journal publication.
12. During the research process, students receive guidance from a supervisor from the research place (partner).
13. Students are required to make a logbook of activities during research outside Universitas Brawijaya which is signed by a supervisor from the partner.
14. After completing the program, students make a report on research activities outside Universitas Brawijaya and present it in front of supervisors from Universitas Brawijaya and partners.
15. Research can be used as a Final Project with a credit equivalent of 6 credits, and the remaining credits are converted into credits of research FLIC courses outside the university (14 credits).
16. If a student takes a research program outside the PT for 2 semesters (40 credits) and is integrated with a thesis, then the courses for this FLIC are integrated FLIC courses (14 credits) and research FLIC courses outside PT (20 credits) respectively. - each taken in a different semester.
17. The assessment of research results is a combination of field supervisors and supervisors from FAT Universitas Brawijaya. The value of research results outside Universitas Brawijaya will be entered into the Study Result Sheet and reported to Higher Education Database.
Research partners can provide certificates in recognition of student internships.

3.4. HUMANITARIAN PROJECTS

Higher education institutions have been helping to cope with disasters through humanitarian programs. So far, student involvement has been voluntary and only short-term. In addition, many international institutions (UNESCO, UNICEF, WHO, etc.) have conducted in-depth studies and made development pilot projects in Indonesia and other developing countries. Students with a young spirit, scientific competence, and interests can become foot soldiers in humanitarian and other development projects both in Indonesia and abroad.

Humanitarian project program objectives include:
1. To prepare superior students who uphold human values in carrying out their duties based on religion, morals, and ethics.
2. Train students to have social sensitivity to explore and dive into existing problems and contribute to providing solutions according to their respective interests and expertise.

The process flow for following a humanitarian project program for students is as follows:
1. Students are looking for partners for humanitarian projects (PMI, Basarnas, REI, Non-Governmental Organizations / NGOs, etc.) or enroll in faculties or departments that offer partnerships to receive humanitarian project programs.
2. If students are looking for their humanitarian project partners, a cover letter for the humanitarian project program can be submitted to the Academic Sub-Division of FAT Universitas Brawijaya
3. In semester 4 or the semester thereafter (depending on the study program curriculum), students can start looking for humanitarian project partners.
4. The humanitarian project program is implemented in the 5th semester or thereafter depending on the curriculum of the study program
5. Students program a humanitarian project program in a Study Plan Sheet that is approved by the academic supervisor
6. A cover letter for humanitarian projects is submitted to the Academic Subdivision of FAT Universitas Brawijaya, by showing evidence of acceptance of humanitarian projects from partners.
7. Students carry out humanitarian projects in partners for 1 semester or the equivalent of 20 credits with a duration of 6 months.
8. Humanitarian projects can be carried out between the time of taking compulsory courses of the study program. For example, in the Food Science and Technology Study Program in semester 5, there is a slot for taking elective courses of 8 credits that can be used by students to take humanitarian projects as many as 8 credits (170 minutes/week X 8 credits X 16 weeks) = or 1,360 minutes in one week or the equivalent of 23 hours. In semester 6, because there are 10 credits for elective courses, the humanitarian project activity load is equivalent to 10 credits, and in the following semester with 2 credits. Thus, students receive 20 credits of humanitarian projects spread over 3 semesters. After a
humanitarian project has been completed, an assessment can be carried out and students can program a humanitarian project where this program can be completed, for example, even though a humanitarian project has been implemented since semester 5 but the program has been completed in semester 7, then in semester 7 the number of credit for humanitarian projects can be programmed in Study Plan Sheet. Students can also take whole humanitarian projects in semester 7 or 8 which is equivalent to 20 credits.

9. Humanitarian project supervisor and lecturer supervisor conduct monitoring and assessment of students.

10. While carrying out humanitarian projects, students receive guidance from their partner’s field supervisors.

11. Students are required to make a logbook of activities while carrying out a humanitarian project signed by the supervisor from the partner.

12. Students are required to make a report on humanitarian project activities, which was presented in front of the supervisor.

13. The assessment of the results of humanitarian project activities is a combination of field supervisor and lecturer supervisor from FAT Universitas Brawijaya. The value of the results of the humanitarian project will be entered into the Study Result Sheet and reported to Higher Education Database as a humanitarian project FLIC course (20 credits) or if it takes 40 credits then in different semesters 20 credits of humanitarian project FLIC courses will be taken.

14. Partners can provide certificates as a form of recognition of student humanitarian project programs

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**Figure 2. Humanitarian Project Program Process Flow**

3.5. ENTERPRISE ACTIVITIES

The Independent Campus Policy encourages the development of student entrepreneur interest with an appropriate learning activity program. Learning activities in the form of entrepreneurship both have not been or have been established in the study program
The requirements are regulated in the academic guidelines issued by the Tertiary Education Institution.

The objectives of the entrepreneur activity program include:
1. Providing students who have an entrepreneurial interest to develop their business earlier and be guided.
2. Addressing the problem of unemployment which results in intellectual unemployment among scholars.

Figure 3. The Entrepreneur Activity Program Process Flow

The process flow of the entrepreneur activity program can be seen in Figure 3. The mechanism for implementing entrepreneur activities is as follows.

1. Students can start entrepreneur activities in the 5th semester.
2. This entrepreneur activity can be integrated with the Final Project as long as the entrepreneurship Final Project is fulfilled as stated in the FAT Universitas Brawijaya Final Project (Thesis) Manual. The duration of entrepreneur activities at least has been running 1 year by the time of the thesis exam.
3. The lecturer who supervises entrepreneur activities will also be the thesis supervisor if this entrepreneur activity is used as a Final Project.
4. The implementation of entrepreneur activities can be done between the time of taking the compulsory courses of the study program. For example, in the ITP Study Program in the fifth semester, there is a slot for taking elective courses of 8 credits that students can use for taking entrepreneur activities as much as the allocation of time 8 credits (170 minutes/week X 8 credits X 16 weeks) = or 1,360 minutes in one week or equivalent to 23 hours. In semester 6, because there are 10 credits for elective courses, the entrepreneur activity load is equivalent to 10 credits, and in the following semester entrepreneur activities with 2 credits. Thus, students receive 20 credits of entrepreneur activities spread over 3 semesters. In semester 7, the credits for entrepreneur activities can be programmed in KRS. If students plan the entrepreneur activities as a Final Project, then in the following semester they can take the independence option again with a load
of 20 credits. Students can also completely take entrepreneur activities in semester 7 and/or 8 which is equivalent to 20 or 40 credits.

5. Entrepreneurship supervisors will monitor and assess student performance.

6. During entrepreneur activities, students are required to create a logbook of activities and must consult with their supervisor and also record it in the logbook.

7. Students are required to make reports on entrepreneur activities which were presented in front of the supervisor.

8. Assessment of the results of entrepreneurial activities can be translated into activities that are equivalent to courses with the number of credits according to the activities carried out by students.

9. The number of 20 or 40 credits is determined based on the number of time allocated by students for entrepreneurial activities and achievements determined by the supervisor with the approval of the head of the study program.
   a. Entrepreneurial FLIC (20 or 40 credits) if not integrated with the Final Project. If 40 credits, then the entrepreneurship FLIC course is taken 20 credits each in a different semester.
   b. If it is integrated with the Final Project, it will become a course, namely the integrated entrepreneurial thesis course FLIC (14 credits) for the entrepreneurship course FLIC 20 credits, if you take 40 credits FLIC entrepreneurship then 20 credits is the FLIC entrepreneurship course. Subjects and 14 credits are Integrated Entrepreneurship FLIC courses from theses taken in different semesters.

10. The value of the results of entrepreneur activities will be entered into the KHS and reported to Higher Education Database.

3.6. INDEPENDENT STUDY / PROJECTS

Many students have a passion to manifest masterpieces that are contested at the international level or papers from innovative ideas. Ideally, independent studies/projects are undertaken to complete the curriculum already taken by students. The college or faculty can also make an independent study of a complete topic that is not included in the class schedule but is still available in the course or faculty syllabus.

Independent project activities can be carried out in the form of interdisciplinary group work. Independent studies/projects can be complementary or course visits that must be taken. The equivalence of independent study activities into courses is based on the contribution and role of students as evidenced in activities under the coordination of the supervisor.

The process flow of an independent study program/project can be seen in Figure 4. The implementation of study/project activities is as follows.
1. Students can start independent project activities in the 5th semester.
2. This independent project activity can be integrated with the Final Project as long as the Final Project of the Technology Design Work is fulfilled as stated in the FAT Universitas Brawijaya Final Project (Thesis) Manual.
3. Lecturers who supervise independent project activities as well as supervising theses if this independent project activity is used as a Final Project.
4. Independent project activities can be carried out between the compulsory courses of the study program. For example, in the 5th semester of the ITP study program, there are 8 credits of elective course slots that can be used by students to participate in independent project activities of 8 credits (170 minutes/week X 8 credits X 16 weeks) = or 1,360 minutes in one week or the equivalent to 23 hours. In the 6th semester, because elective courses have 10 credits, the load of independent project activities is equivalent to 10 credits and in the following semester, the independent project activities number to 2 credits. Thus, students get 20 credits of independent activities spread over 3 semesters. In semester 7, the number of credits for independent project activities can be programmed into KRS. Students can also fully participate in independent project activities in semester 7 and/or 8 which is equivalent to 20 or 40 credits.
5. Independent project supervisors monitor and assess student performance.
6. During the independent project activities, students are asked to keep an activity logbook and must consult with their supervisor and record them in the logbook.
7. Students are asked to make an independent project activity report which will be presented in front of the supervisor.
8. The number of 20 or 40 credits is determined based on the number of time allocated by students for independent project activities and the achievement is determined by the supervisor with the approval of the head of the study program.
9. The score of the independent project will be entered into the Study Result Sheet and reported to Higher Education Database in the form of:
a. FLIC independent project (20 or 40 credits) if not integrated with the Final Project. If 40 credits, the independent project FLIC course is taken 20 credits each in a different semester

b. If it is integrated with the Final Project, it becomes a course, namely an integrated thesis FLIC independent project (14 credits) for an independent FLIC project 20 credits, if you take 40 credits for an independent FLIC project, 20 credits are an independent FLIC program and 14 credits are an integrated independent project thesis course to FLIC which is taken in different semesters.

3.7. DEVELOP VILLAGE / THEMATIC STUDENT COMMUNITY SERVICE PROGRAM (TSCS)

Thematic Student Community Service Program (TSCS) is a form of education to provide learning experiences for students to live in a community outside the campus, which directly identifies potentials within the community and handles problems so that they are expected to develop village / regional potential and provide solutions. The TSCS activities are expected to hone soft skills partnerships, cross-disciplinary / scientific teamwork (across competencies), and student leadership in managing development programs in rural areas. TSCS in this independent learning activity can be carried out to help home industries or small industries in the village according to the scientific competence of the student study program.

So far, the university has implemented the TSCS program, only the Semester Credit Units (SKS) has not been able to be claimed as the independent campus program whose credit recognition is equivalent to 6-12 months or 20-40 credits, with an implementation based on several models. It is also intended that by implementing TSCS, students can memorize things after the end of TSCS with the results in the form of a Final Project.

The objectives of the program to build a village / real work college include:
1. The presence of students for 6-12 months can provide opportunities for students to take advantage of the knowledge, technology, and skills they have with many stakeholders in the field.
2. Assisting the acceleration of development in rural areas together with the Ministry of Villages, PDTT.

Additional requirements in TSCS activities that must be met by students, namely:
1. Students have completed the learning process after semester 6.
2. Conducted in groups, ± 10 members per group and/or according to village needs, and multidisciplinary (from different study programs / faculties / clusters).
3. Participants must live in the community or must “live in” in the determined location.
4. Physically and mentally healthy and not pregnant for women.
5. Minimum GPA of 2.00 up to semester 5.
6. Students register for the TSCS program in the Department or Faculty of Institute of Research and Community Service (IRCS) Universitas Brawijaya according to the TSCS program they are participating in, with the approval of the supervisor.
7. Students program the TSCS in a Study Plan Sheet that is approved by the supervisor.
8. Students carry out TSCS for 1 or 2 semesters (equivalent to 20 or 40 credits), with a duration of 6 months to 1 year according to the agreement of the partner village.

9. Supervising lecturers monitor and assess students

10. Students are required to make a logbook of TSCS activities signed by the supervisor from the partner village.

11. After completing the TSCS program, students make a TSCS activity report and present it in front of their supervisor.

12. TSCS contains research, development, and design elements, which can be used as a Final Project with an equivalent credit of 6 credits, and the rest is translated into competencies obtained from the TSCS results.

13. TSCS activities can become a thesis if the development, design, or research process is determined by the head of the study program.

a. TSCS FLIC (20 or 40 credits) if not integrated with the Final Project. If 40 credits, the FLIC TSCS course is taken 20 credits each in a different semester

b. If integrated with the Final Project into two courses, namely Integrated TSCS FLIC Thesis (14 credits) for FLIC TSCS 20 credits, If you take 40 SKS TSCS FLIC then 20 SKS for TCS FLIC courses and 14 SKS Thesis for Integrated TSCS FLIC courses are taken in the semester different.

3.8. STUDENT EXCHANGE

Student exchanges are held to form student attitudes contained in the Regulation of the Minister of Education and Culture (Permendikbud) Number 3 of 2020, namely respecting cultural diversity, views, religions and beliefs, as well as other people's original opinions or findings; as well as working together and having social sensitivity and concern for the community and the environment.

The objectives of student exchange include:

1. Studying across campuses (at home and abroad), living with the family at the destination campus, Students' insight into Unity in Diversity will develop, cross-cultural and ethnic brotherhood also will be stronger.

2. Building student friendships between regions, ethnicities, cultures, and religions, thereby increasing the spirit of national unity and integrity.

3. Transferring knowledge to cover educational disparities between domestic and foreign institutions as well as the conditions of domestic and foreign education.

Some forms of learning activities that can be carried out in the context of student exchange are as follows:

1. Student Exchange in the same Study Program at different universities

   The form of learning that students can take to enrich their experiences and scientific contexts is obtained in other institutions that have specificities or learning support vehicles to optimize CPL.

2. Student Exchange between Study Programs at different universities

   Forms of learning that can be taken by students at different institutions to support the fulfillment of learning outcomes are those that have been stated in the study program
curriculum structure, as well as curriculum development to enrich graduate learning outcomes. The minimum duration required in the student exchange program is 1 semester (6 months). The process flow of the student exchange program can be seen in Figure 5.

Figure 5. The Process Flow of the Student Exchange Program

The explanation of the student exchange program flow is as follows:
1. Students enroll in Faculties or Schools that offer or have signed in with partners to receive internships.
2. The student exchange program is held in the 7th semester or after.
3. Students will add student exchange programs in a Study Plan Sheet that is approved by the academic supervisor.
4. The cover letter for student exchange is submitted to the Academic Subdivision of FAT Universitas Brawijaya, with proof of student exchange acceptance from the destination university or a recommendation from the supervisor/head of the study program.
5. In certain conditions, the faculty or school can perform a student selection that will carry out student exchanges.
6. Students carry out student exchanges for 1 or 2 semesters (equivalent to 20 or 40 credits), with a duration of 6 months to 1 year according to the agreement with the intended university.
7. Students are required to make a student exchange activity report after the activity is over and present it in front of the head of the study program.
8. The score of courses from the university where the student exchange will be registered into the KHS and reported to Higher Education Database.
9. Other universities where you study may award certificates in recognition of their student exchange programs.
4. PROCEDURE FOR DETERMINING ELIGIBILITY AND ASSESSMENT OF FLIC

Before implementing FLIC, students are required to compile a proposal and present it in front of the supervisor from FAT Universitas Brawijaya. Students who carry out FLIC are required to fill in the activity logbook signed by the partner (if any) and the supervisor from FAT Universitas Brawijaya. The Head of the Study Program will decide whether the activities that have been implemented are feasible and can be categorized as FLIC based on the time allocation that has been implemented by the students. If the time allocation is still not following the provisions, then students are required to meet the stipulated time for the implementation of the FLIC, namely 20 credits which is equivalent to 5.7 months at the partner, and 40 credits which is equivalent to 11.4 months at the partner. Assessment of FLIC activities is carried out based on measurement of proposals, activities, final reports, and examinations in front of examiners. Rubrics and order forms for every FLIC activity are following the RPS and the learning achievements that must be achieved from these activities.

5. EQUALIZATION OF STUDENT ACTIVITIES WITH FLIC

Several student activities including student competitions such as the Student Creativity Program (SCP) and the Student Entrepreneurship Program (SEP) and others can be compared to FLIC activities provided that the time allocation used for the implementation of student activities is equivalent to 20 or 40 credits and has received the approval of the Head of the Study Program for the equalization. Thus, not all student activities can be directly equated with FLIC activities. The equalization is as follows:

- **a. SCPK, SEP, other entrepreneur activities:** Entrepreneurship FLIC
- **b. SCPM or other services:** FLIC TSCS
- **c. SCPT:** Independent FLIC Project
- **d. Other activities:** based on the decision of the head of the study program and the head of the department.

The procedure to apply for equalization of student activities with the FLIC is as follows:

1. Students propose a FLIC equalization with the knowledge and approval of the student activity supervisor.
2. The Head of the Study Program evaluates the feasibility of equality of student activities with FLIC.
3. Based on the suggestion from the Head of the Study Program, the Head of the Department will state that the student activities could be compared to the FLIC.
4. Students program FLIC activities in Study Plan Sheet at the appropriate semester.
5. The lecturer who supervises student activities becomes the supervisor of the FLIC.
6. The FLIC assessment process that comes from student activities is the same as the FLIC assessment that is not from student activities.
7. Students are required to make a logbook during the activities and fulfill the FLIC implementation procedure as described for each independent learning option.
Table 1. Code of FLIC FAT UB Course

<table>
<thead>
<tr>
<th>No.</th>
<th>Code</th>
<th>Course Units</th>
<th>Credits</th>
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<tbody>
<tr>
<td>1</td>
<td>TPF 61017</td>
<td><em>MBKM Magang</em> (FLIC of Internship)</td>
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<td>2</td>
<td>TPF 62018</td>
<td><em>MBKM Magang</em> (FLIC of Internship FLIC)</td>
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<td>3</td>
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<td><em>MBKM Magang Terintegrasi Skripsi</em> (FLIC of Thesis Integrated Internship)</td>
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<td>6</td>
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<td><em>MBKM Kewirausahaan Terintegrasi Skripsi</em> (FLIC of Thesis Integrated Entrepreneurship)</td>
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<td>7</td>
<td>TPF 61023</td>
<td><em>MBKM Proyek Independen</em> (FLIC of independent project)</td>
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<td>8</td>
<td>TPF 62024</td>
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<td>9</td>
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<td><em>MBKM Proyek Independen Terintegrasi Skripsi</em> (FLIC of Thesis Integrated Independent Project)</td>
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<td>TPF 61026</td>
<td><em>MBKM KKNT</em> (FLIC of TSCS)</td>
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<td>11</td>
<td>TPF 62027</td>
<td><em>MBKM KKNT</em> (FLIC of TSCS)</td>
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<tr>
<td>12</td>
<td>TPF 60028</td>
<td><em>MBKM KKNT</em> Terintegrasi Skripsi* (FLIC of Thesis Integrated Thematic Real Work Lecture)</td>
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<td>13</td>
<td>TPF 61029</td>
<td><em>MBKM Riset Luar PT</em> (FLIC of independent research)</td>
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<td>14</td>
<td>TPF 62030</td>
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<tr>
<td>15</td>
<td>TPF 60031</td>
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<td>16</td>
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<td>18</td>
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<td>19</td>
<td>TPF 62034</td>
<td><em>MBKM Asistensi Mengajar</em> (FLIC of Teaching Assistant)</td>
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Attachment 1. Logbook of FLIC activities

<table>
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<th>No.</th>
<th>Date</th>
<th>Name of Activity</th>
<th>Starting Hours</th>
<th>Hours End</th>
<th>Duration (minute)</th>
<th>Knowing</th>
<th>Partner Advisor (If Available)</th>
<th>Supervisor</th>
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Total Duration

Acknowledging,

The Head of the Study Program  Supervisor