S4C, funded by SECO (Swiss State Secretariat of Economic Affairs), is collaborating with Indonesian line ministries and industries to establish dual VET (vocational education and training) system through selected polytechnics/community academy in metal, manufacturing, food and furniture/wood, which are among key contributors to the national development. The main feature is the participation of private companies in providing inputs on occupational duties, skills, knowledge and equipment currently in demand, which takes place during the first stage called DACUM Chart workshop. The second stage or DACUM Package workshop only involves the lecturers of particular study program where they are assisted in transferring the results of DACUM Chart into course design. Finally, the lecturers put the course design into semester learning plan (RPS) according to the standards set by Ministry of Research, Technology and Higher Education (MORTHE). The schools praise the results as their curricula are now industry-oriented with at least 50:50 ratio between theories and practices. The next step is for the partner schools to prepare all necessary documents for curriculum accreditation by MORTHE. Another plus from these exercises is that during DACUM Package workshops the lecturers are briefed about practical teaching tools to optimize the teaching and learning process.

“S4C has implemented very useful programs for development of Politeknik Negeri Jember as a vocational university, particularly curricula development which will contribute to the quality of graduates. This kind of curricula development program needs to be further developed and expanded for all study programs in Politeknik Negeri Jember.”

Dr. Nanang Dwi Wahyono, Director of State Polytechnic of Jember (Politeknik Negeri Jember)

“Dacum provides knowledge on curriculum development, block system, and semester teaching plan, which will help quality of education at Poly Morowali improved.”

Mr. Fahrul, lecturer of Electrical and Installation Engineering

“DACUM provides a method for curriculum development called DACUM or Develop A Curriculum. From September 2018 through March 2019, the project has organized a series of DACUM workshops for the partner schools. The main feature is the participation of private companies in providing inputs on occupational duties, skills, knowledge and equipment currently in demand, which takes place during the first stage called DACUM Chart workshop. The second stage or DACUM Package workshop only involves the lecturers of particular study program where they are assisted in transferring the results of DACUM Chart into course design. Finally, the lecturers put the course design into semester learning plan (RPS) according to the standards set by Ministry of Research, Technology and Higher Education (MORTHE). The schools praise the results as their curricula are now industry-oriented with at least 50:50 ratio between theories and practices. The next step is for the partner schools to prepare all necessary documents for curriculum accreditation by MORTHE. Another plus from these exercises is that during DACUM Package workshops the lecturers are briefed about practical teaching tools to optimize the teaching and learning process.”

Mr. Zainal Abidin, Director, Bantaeng Community Academy of Manufacturing Industry (AKOM Bantaeng)

“S4C has implemented very useful programs for development of Politeknik Negeri Jember as a vocational university, particularly curricula development which will contribute to the quality of graduates. This kind of curricula development program needs to be further developed and expanded for all study programs in Politeknik Negeri Jember.”

Dr. Nanang Dwi Wahyono, Director of State Polytechnic of Jember (Politeknik Negeri Jember)

Until September 2019, S4C’s activities include the development of curricula and the strategic plan, industrial relations, knowledge sharing forums, DACUM Facilitators Training (in collaboration with STED/Sustainable Tourism Education Development program) among others.

Swisscontact's S4C project implementation started in July 2018. This is the 1st edition of the newsletter, in which the first achievements of the project until March 2019 are highlighted:

<table>
<thead>
<tr>
<th>Polytechnic Partners</th>
<th>Developed/Revised Curriculums</th>
<th>Industry Partners</th>
<th>Workshops &amp; Trainings</th>
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<td>7</td>
<td>31</td>
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<tr>
<th>Beneficiaries</th>
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<th>Students</th>
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<th>Facilitators</th>
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<td>8</td>
<td>50%</td>
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</tbody>
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**About S4C**

S4C, funded by SECO (Swiss State Secretariat of Economic Affairs), is collaborating with Indonesian line ministries and industries to establish dual VET (vocational education and training) system through selected polytechnics/community academy in metal, manufacturing, food and furniture/wood, which are among key contributors to the national development. The main output will be competent graduates employed by industries.

Partners: Bern University of Applied Sciences (BFH-CDC), Association for Swiss International Technical Connection (SITECO), Agency for Industry Human Resource Development (BPSDMI) of the Ministry of Industry (MoI) and Ministry of Research, Technology and Higher Education (MORTHE).
Bantaeng Community Academy of Manufacturing Industry (AKOM Bantaeng)

Academic Program: 2-year diploma (D2)
Study Programs: Chemical Analysis, Mechanical Maintenance, Electrical and Installation.
Student Body: 96 students
Key Milestones: (a). Chemical Analysis has industry needs based curriculum and Semester Learning Plan (RPS);
(b). Memorandum of Cooperation with Huadi Nickel was signed on 26 January 2019.

S4C supports AKOM Bantaeng’s Curricula development, IT system development for teaching and learning, workshop layout, lecturers capacity building, industrial relations, strategic plan, knowledge sharing forum, peer learning forum, and DACUM Facilitators training.

Nipa-Nipa, Pa’jukukang, Bantaeng Regency, South Sulawesi 92461
Phone. 0853-9419-0005
www.akom-bantaeng.ac.id

State Polytechnic of Jember (Politeknik Negeri Jember)

Academic Program: 3-year diploma (D3) and 4-year diploma (D4)
Study Programs: S4C focuses on D4 Food Engineering Technology development, but also included curricula development for D3 Food Industry Technology.
Student Body: 76 students (D4) and 351 students (D3)
Key Milestones: Industry needs based curricula and Semester Learning Plan (RPS) of D3 Food Industry Technology and D4 Food Engineering Technology have been developed and now include higher percentage of practical work.

S4C supports Politeknik Negeri Jember’s Curricula development, IT system development for teaching and learning, lecturers capacity building, industrial relations, strategic plan, knowledge sharing forum, peer learning forum, DACUM Facilitators training and teaching facility development.

Jl. Mastrap Kotak Pos 164 Jember, East Java – 68101
Phone. 0331-333-532
www.polije.ac.id

Kendal Polytechnic of Furniture and Woodprocessing Industry

Academic Program: 3-year diploma (D3)
Study Programs: Design, Production, and Business
Student Body: 99 students
Key Milestones: (a). Draft Strategic Plan is developed;
(b). Overview of Semester Learning Plan (RPS) has been socialized to the lecturers.

S4C supports Poly Kendal’s knowledge sharing forum, peer learning forum, curriculum development, DACUM Facilitators training, Industrial relations and strategic plan.

Jl. Wanamarta Raya No. 20, Kawasan Industri Kendal, Kendal, Central Java | Phone. 0294-3692-732.
www.poltek-furnitur.ac.id

Morowali Polytechnic of Metal Industry

Academic Program: 3-year diploma (D3)
Study Programs: Mineral Chemical, Mechanical Maintenance, Electrical and Installation
Student Body: 188 students
Key Milestones: (a). Strategic Plan (2019-2023) is developed;
(b) 95 students from the first batch began the internship program at IMIP (Indonesia Morowali Industrial Park) in February 2019 and it will run through the end of the year.

S4C supports Poly Morowali’s knowledge sharing forum, peer learning forum, curriculum development, DACUM Facilitators training, Industrial relations and strategic plan.

Jl. Poros Trans Sulawesi, Desa Labota, Kecamatan Bahodopi, Morowali Regency, Central Sulawesi 94974 | Phone. 0853-4210-2597
www.pilm.ac.id