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# A PROPOSED SYLLABUS FOR ENGLISH COURSE FOR STUDENTS OF INDUSTRIAL ENGINEERING, INSTITUT SAINS & TEKNOLOGI AKPRIND, YOGYAKARTA

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#### **ABSTRACT**

This study develops an English syllabus for the Industrial Engineering Department at InstitutSains&TeknologiAkprind, Yogyakarta since there is no appropriate syllabus available. The English syllabus is developed based on the educational research and development (R and D). The model used is adopted from Richards' Model on Course Development (2001). The finding shows that a topic-based syllabus is appropriate for English course for students of Industrial Engineering of InstitutSains&Teknologi AKPRIND, Yogyakarta. The syllabus focuses on reading skill. The subjects being discussed are the topics related to the students' field of study. The format syllabus consists of following aspects: 1) competence standard, 2) basic competence, 3) indicator, 4) materials, 5) learning activities, 6) assessments, 7) time allotment and 8) sources of the materials. In the implementation of this syllabus, it is recommended that English lecturer should collaborate with the subject specialists to get clear description of the subject being discussed; a discussion on the proposed syllabus attended by the English lecturers also needs to be done to socialize the product.

**Keywords:** Syllabus; Industrial Engineering; Richards' Model on Course Development

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**INTRODUCTION** 

Background

English courses are offered in Industrial Engineering Department of

Institut Sains & Teknologi Akprind, Yogyakarta with the consideration that

students' proficiency in this skill will have a great effect on their academic

and professional success. The main purpose of the teaching of English in

Industrial Engineering department is not to learn about language but it is

designed to meet specified needs of the learners. According to the Industrial

Engineering Curriculum, the teaching of English course for the students of

Industrial Engineering is offered as compulsory subject and conducted in

classroom and language laboratory in the second semester with the total

credit of three. The aim of the English course is to provide students with the

ability to communicate in English both written and spoken related to the

Industrial Engineering.

However, the teaching learning activity of the English course in

Industrial Engineering has not been developed based on the students' needs

and has not been well organized in terms of selecting materials/topics,

choosing appropriate methods/activities, determining evaluation and

managing time allotments. As a result, the students do not get the benefits

from the course that leads to low motivation in their English study.

Some problems related to the teaching of English course at Industrial

Engineering Department are: 1) the English lecturer tends to use topics based

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on her own judgment or preference without considering students' needs, 2)

the materials used taken from available commercial books which frequently

do not match with the needs and characteristics of the students and have not

been well organized, 3) the language instructions are dominated with a

structural method which is based on learning grammatical structures,

lecturing, translating passage and memorizing vocabularies used as the basis

of developing the materials.

Formulating the objectives for the course, identifying the appropriate

contents, designing the appropriate activities/methods and determining

appropriate assessments conducted in the course are important factors that

influence the effectiveness of the teaching learning process. All the items

make up the syllabus. Unfortunately, the results of the needs analysis show

that the existing syllabus for industrial students at Institut Sains & Teknologi

Akprind, Yogyakarta has not been appropriate yet.

The existence of appropriate syllabus is very important because the

language teaching learning is a complex activity that needs a careful planning

in order to achieve the instructional objective. Teachers have to develop a

systematic plan of what need to be learned, selected and sequenced the

contents and the tasks that will lead to desired learning outcome (Hyland,

2003). Yalden (1987) states a syllabus describes what the learners are

expected to know at the end of the course, what is to be taught or learned

during the course, when it is to be taught, at what rate of the progress, how it

is to be taught, and how it is to be evaluated. According to Brumfit (1984) a

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syllabus can be used to map out the content of the course and to guide and

serve the teaching learning of that subject matter. It acts as a guide for teacher

and learners by providing goal to be attained. Therefore, the existence of the

appropriate syllabus will make the teaching learning activities manageable

and more effective.

In response to the problems above, it is very crucial to develop an

appropriate syllabus for the English course for Industrial student at

InstitutSains&TeknologiAkprindthat can be used as guidelines and serves the

English lecturer to conduct the teaching learning activities effectively. The

syllabus should be developed based on students' needs.

Identifying students' needs should be the first step in designing an ESP

syllabus (Dudley-Evans & John, 1998; Hutchinson & Waters, 1987; Jiajing,

2007; Nunan, 1988; Richards, 2001; Robinson, 1991). Better understanding

of learners' real needs helps lecturers to determine course objectives, and to

design tasks and teaching activities to be used in the class. To determine the

real need of the students, it is important to carry out a needs analysis.

The needs analysis refers to techniques and procedures used to collect

information about the needs of learners in syllabus design (Richards, 2001).

The needs analysis is conducted by studying the existing documents,

interviewing the head of Industrial Engineering department, two subject

specialists and students. The results of the needs analysis will be used as the

basis for developing the proposed syllabus.

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Referring to the background above, the study develops an appropriate

syllabus for the first year students of Industrial Engineering Department at

Institut Sains & Teknologi Akprind based on analysis that involve the head

of the department, subjects specialists and students. It is expected that the

proposed syllabus increases the effectiveness of the teaching of English and

solve the teaching problems encountered at teaching learning process and

increase students' motivation as well.

The Objective of the Study

The objective of the study is to develop a syllabus for English course

for the first year students of Industrial Engineering at InstitutSains&

Teknologi Akprind Yogyakarta.

**Significance of the Study** 

The study gives contribution to the Industrial Engineering

Department of InstitutSains & Teknologi Akprind in order to provide an

appropriate syllabus for English teaching and learning process in the

department. For the English lecturers, the product provides a valuable

guidance in teaching and learning activities so the goals of teaching learning

activities can be achieved. With the existence of the syllabus that is suitable

with the students' needs, the students will be more motivated to learn English

that significantly increase their English skills and other academic

achievements.

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**Scope and Limitation** 

The scope of the proposed syllabus is limited to develop an

appropriate syllabus for the teaching of the three-credit English course for the

first year students of Industrial Engineering at Institut Sains &Teknologi

Akprind, Yogyakarta.

REVIEW OF RELATED LITERATURE

The Concept of a Syllabus

According to Richards (2001) a syllabus is a specification of the

content of a course of instruction and lists what will be taught and tested. It

describes the major elements that will be used in planning a language course

and provides the basis for instruction focus and content. In more detail, Dubin

and Olshtain (1992) state that a good syllabus describes what learners are

expected to know at the end of the course, or the course objectives in

operational terms, what is to be taught or learned during the course in the

form of an inventory of items, when it is to be taught and at what rate of

progress relating an inventory of item to the different levels and stage as

well as to the time constraint of the course, how it is to be taught suggesting

procedures, techniques, materials, and how it is to be evaluated suggesting

testing and evaluating mechanism. Hutchinson and Waters (1987) define

syllabus as at its simplest level "as a statement of what is to be learnt". They

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further add that it reflects of language and linguistic performance. Yalden

(1987) also refers to syllabus as a "summary of the content to which learners

will be exposed". Brown (2001) suggested that the term syllabus referred to a

design for carrying out a particular language program including a primary

concerns with specification of linguistic and subject-matter objectives,

sequencing, and materials to meet the needs a designed group of learners in a

defined context.

The Components of Syllabus

There are 4 main components of syllabus: the objectives, the

materials, the methodology or method, and the evaluation. Mulyasa (2003)

proposes more complete syllabus components: competence standard, basic

competences, indicators, materials, learning experience, time allotment,

assessment and source/media.

Competence standard is defined as the standard of students' minimum

competence required after joining a learning process of a subject. It is used to

elaborate the basic competences into appropriate students' learning

experience. The basic competences are necessary to limits the teachers on

how far the competence standard should be achieved.

Indicators refer to some specific aspects of a basic competency that

show the target achievement of a certain competence through assessment.

Learning experiences show the teachers and the students' activities to achieve

the basic competencies.

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Assessment refers to activities in analyzing and interpreting students'

learning progress. It could be in oral or written form. Source and media are

important in syllabus writing to facilitate the learning process. The media can

be used to improved and clarify the students' understanding of the topics

being discussed.

**Types of Syllabus** 

In designing a syllabus, it is very important to choose the type of the

syllabus that is appropriate for the students. The decision as to which syllabus

type or types to employ will result from a careful consideration of the

objectives of the course. There are several different types of syllabus.

Richards (2001) has classified them into ten: (1) a structural or formal

syllabus which is often organized along grammatical items; (2) a lexical

syllabus which is organized based on vocabulary and lexis; (3) a notional/

functional syllabus in which the content of the language teaching is a number

of the functions that are performed on using the language, or of the notions

that language is utilized to express; (4) a situational syllabus which is

organized around the language needed for different situations; (5) a topical or

content-based syllabus which is organized around themes, topics, or other

units of content; (6) a competency-based syllabus which is based on a

specification of the competencies learners are expected to master in relation

to specific situations and activities; (7) a skill-based syllabus in which the

content of the language teaching is a collection of specific abilities that may

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play a part in using language; (8) a task-based syllabus which is organized

around tasks that students will complete in the target language; (9) a text-

based syllabus which is built around texts and samples of extended

discourse; (10) an integrated syllabus in which syllabi or content types are

usually combined in more or less integrated ways.

**Topic-Based Syllabus** 

A theme or topic-based syllabus is organized around a theme or topic.

This type of syllabus is not designed to teach the subject-matter. Content of

the subject matters is used to develop the language skills. The instruction is

focused on language use and functions. The topic-based syllabus intended to

combine the use of language and subject-matter in a meaningful context so it

can increase students' motivation to participate in the English course and

generally develop better language proficiency.

The use of theme-based syllabus has been supported by some experts.

Snow, et al. (1989) mentions the advantages of theme or topic-based

instruction. First of all, themes make linguistic forms more meaningful for

learners. Therefore, it facilitates comprehension and motivates learners. In

theme-based instruction, content serves as the basis for teaching skills areas.

Moreover, it addresses students' needs and interests. It allows the use of

authentic materials in language classes and provides variety. Lastly, it allows

integration of four skills. Another expert, Krashen (1985) who suggested

comprehensible second language input as the main element of successful

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language learning claims that successful language acquisition is possible

when instruction focuses on meaning rather than form.

Richards's Model on Course Development

Richards' model (2001) on course development is divided into some

stages, namely:(1) developing a course rationale, (2) describing entry and exit

levels, (3) choosing course content, (4) sequencing course content, (5)

planning the course structure (syllabus and instructional block), (6) preparing

the scope and sequence plan.

The course rationale seeks to answer the subjects of the course, the

content of the course and the kinds of teaching and learning that will take

place in the course. In developing a course rationale, it should be based on

the goals of the course, the kind of teaching and learning they want the course

to exemplify, the roles of teachers and learners in the course, and the beliefs

and principles the course will reflect (Richard, 2001).

Before entering the program, the students' proficiency levels and

target proficiency levels need to be described. In order to describe the entry

and exit level, special designed tests are used to determine the level of the

students' language skills. The result of the students' proficiency test will

enable the target level of the program to be assessed.

Choosing course content deals with listing the topics on the language

skills, language components and other components that are used in the

proposed syllabus. The choice of a particular approach to content selection

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depends on subject matter knowledge, the learners proficiency levels, current

views second language learning and teaching and additional ideas from

available literature, published material, review of similar course, review

test/exam in the area, analysis of learner's problem, consultation with

colleague and specialists.

Planning course structure (syllabus type and instructional block)is

mapping course structure into a form and sequence that provide a suitable

basis for teaching. There are two aspects of this process that require more

detailed planning: selecting a syllabus framework and developing

instructional blocks.

There are many types of syllabus, such as situational, topical,

functional, task-based syllabus and others. Yalden (1985) states that there is

no single model of syllabus design, which is universally agreed upon.

Therefore various combinations are possible. However, one type usually

dominates, while the other types may be combined with the dominant one. In

designing syllabus, syllabus framework should be chosen based on

knowledge and belief about subject area, research and theory, common

practice and trends (Richard; 2001).

Developing instructional block is developing the self-contained

learning sequence that has its own goals and objective and also reflects the

overall objectives for the course. Instructional blocks represent the

instructional focus of the course and may be very specific (e.g. single lesson)

or more general (e.g. a unit of work consisting several lessons). In organizing

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a course into teaching blocks one seeks to achieve, (1) to make the course

more teachable, (2) to provide a progression in level of difficulty, (3) to

create overall coherence and structural for the course.

Preparing scope is concerned with the breadth and depth of coverage

of items in the course that is with what range of content will be covered and

to what extent each topic should be studied. This stage covers listing of

module or units and their contents and time allotment in the course required.

Sequencing of the content involves deciding which content is needed

early in the course and which will be learned later. Richards (2001) explains

that the criteria used in sequencing content can be simple to complex,

chronology, proficiency level course, need of outside of classroom.

RESEARCH METHOD

The model of syllabus development is adopted from Richard's model

that covers the following stages: (1) doing a needs analysis, (2) developing

course rationale, (3) describing entry and exit levels, (4) choosing and

sequencing the syllabus content, (5) planning course structure (selecting

syllabus type ), (6) preparing scope and sequence, (7) developing the

proposed syllabus, (8) evaluating and revising: validating the proposed

syllabus with experts, trying-out and revising the proposed syllabus (9) final

product.

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**Stage 1: Doing Needs Analysis** 

A needs analysis is conducted to obtain information about students'

needs, decision makers', subject specialists' and problems during teaching

learning activities. Structured Interviews are conducted to the head of

Industrial Engineering Department and two subject specialists relate to the

expectation and the implementation of the teaching English at Industrial

Engineering department and to get information especially about the

appropriateness in choosing and sequencing the topics or materials that are

relevant with their disciplines. Unstructured interview is conducted to the

sixth semester students. Documents about educational policy such as

Curriculum of Industrial Engineering Department of InstitutSains &

Teknologi Akprind, Buku Pedoman Akademik untuk Mahasiswa Institut Sains

& Teknologi AKPRIND, and existing materials are studied to get valuable

information that are very useful to develop the proposed syllabus.

**Stage 2: Developing Course Rationale** 

In developing a course rationale, the study considered the goals of the

course stated found in Industrial Engineering Curriculum, Buku Pedoman

Akademik untuk Mahasiswa Institut Sains & Teknologi Akprind and the

results of the needs analysis about the kind of teaching and learning they want

the course to exemplify, the roles of teachers and learners in the course, and

the beliefs and principles the course will reflect.

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**Stage 3: Describing Entry and Exit Level** 

In order to describe the entry and exit level, information about

students' proficiencies level is obtained from the results of TOEFL-like test

for Industrial Engineering students conducted in language laboratory.

TOEFL-like test covers listening, structure and reading skill. The results then

are used as students' entry level. Having known the entry level of the

students, the target level of the program can be established.

Stage 4: Choosing and Sequencing the Syllabus Content

Choosing the syllabus content deals with listing the topics on the

language skills, language components and other components that are used in

the proposed syllabus. Information obtained from the head of the department

and subject specialists and students during the needs analysis is used to

determine the course content. The choice of sequencing the syllabus contents

is determined by consulting with subject specialists and content expert.

**Stage 5: Planning Course Structure (Selecting Syllabus Type)** 

The decision as to which syllabus type or types to employ will result

from the needs analysis and the objectives of the course. Based on the

consideration, the selected type of syllabus of this study is a topic-based

syllabus. The characteristics of this type which is organized around topics is

considered to be the appropriate one for Industrial Engineering students since

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it can maintain students' motivation by combining the use of language and

subject-matter in a meaningful context.

**Stage 6: Developing Scope and Sequence** 

The scope and sequence in English teaching must be carefully

determined so that the course can be conducted in an effective way. This

stage covers listing of units and their contents and time allotment in the

course required.

**Stage 7: Developing the Proposed Syllabus** 

This stage involves the writing of a syllabus content covering the

objectives of the program, the materials to be covered, the strategies to be

implemented, the assessment to know whether the objective have been

achieved and the time framework of the program.

Stage 8: Evaluating, Revising and Trying out

This stage covers: (1) experts' validation that is inviting experts in the

field of syllabus design and subject specialist to give their feedbacks on

syllabus, (2) try out, that is asking the English lecturer to make lesson plans

based on the proposed syllabus and (3) revision, that isrevising the proposed

syllabus based on experts' feedbacks in the expert validation and English

lecturer's feedback in the try-out.

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**Research Data** 

The data collected are classified into two: (1) the data collected from

the needs analysis, that are used as the basis to develop the syllabus, (2) the

data obtained from two experts in the validation process and from the English

lecturer in try out, that concern with the evaluation, comments, and

suggestions of the two experts and English lecturer on the design of syllabus

andare used to evaluate and revise the proposed syllabus.

**Data Analysis** 

The results of the interviews in the needs analysis are analyzed

descriptively and used as the basis to develop the syllabus. The data gathered

from experts in the expert validation and English lecturer in try out are also

analyzed descriptively and used as the basis for revising the proposed

syllabus.

FINDING AND DISCUSSION

The results of the needs analysis

Based on the results of the interview with the head of the department,

two subject specialists and the students, it can be concluded that the objective

of the English course is to provide students with the ability to communicate in

English both written and spoken English related to the Industrial Engineering.

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Dealing with the skills needed to master, they state that skills in

reading is the first major concern followed by speaking skill. According to

them, reading skill is very important because the students have to read and

understand a lot of English references, operation manuals and technical terms

often used in their subject specialization. Speaking skills such as performing

academic presentation, asking question in group discussion also needs to be

developed because this skill is considered to be very important for their

future. Especially for writing and listening skills, those skills are rarely

mentioned by them but those skills can be included but it is optional or of

little portion.

For the topics that should be covered in the English course, all of them

want the English course to be focused on topics related to Industrial

Engineering field. Some topics suggested by subject specialists are Product

Design, The Costumer, What is Production Line?, Scales of Production,

Manufacturing Process, Quality Assurance, Standard Component, Safety At

Work, Reading Table and Graph, Job interview. The head of the department

also suggests giving the students with Introduction to TOEFL since the

industrial students have to take TOEFL test as one of requirements of

graduation. Unstructured interview with the students shows that lack of

English structures and vocabularies leads to the problems in communicating

in English.

The sources of materials suggested by the head of department, subject

specialists and students are some authentic textbooks, manual on Industrial

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Engineering, advertisements, the existing commercial books of English for

Industrial Engineering and articles from the internet.

The proposed learning activities demanded by the students and the

subject specialists are discussion, presentation, group/pairs work, individual

work and lecturing. For assessment, they like presentation/ discussion,

multiple choice tests and assignments.

**Developing Course Rationale** 

English course in Industrial Engineering Department is designed to

provide students with the ability to communicate both written and spoken

English related to Industrial Engineering field. The students are exposed to a

variety of texts on Industrial Engineering topics and grammatical structure

relevant to the text discussed and to build their vocabularies; to communicate

in industrial engineering context. The students will also learn how to

recognize the spoken discourse; to identify topics, main ideas, general and

specific information of spoken discourse and given text, and to produce

simple ideas in written forms.

**Describing the Entry and Exit Level** 

The results of the test show that the students' score between 350 -

400. It belongs to the lower intermediate that is used as an entry level. As an

exit level, it is expected that the students will be able to achieve intermediate

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level in which students can comprehend the content of many texts

independently.

**Choosing and Sequencing the Syllabus Content** 

Subject-related topics proposed by subject specialists in the need

analysis are used with consideration that the topics are able to arouse the

students' interest and meet the students' needs. The subject-related topics

cover: Product Design, The Costumer, What is Production Line?, Scales of

Production, Manufacturing Process, Quality Assurance, Standard Component,

Safety At Work, Reading Table and Graph, Job interview and Introduction to

TOEFL.

The materials are selected from many sources as recommended by the

head of the department and subject specialists. The proposed sources of

materials are some authentic textbooks on Industrial Engineering, the existing

commercial books of English for Industrial Engineering, articles from the

internet, which can be used for developing reading skills and expanding

vocabulary items.

The sequence of the content is organized based on the order of topics.

Consultations with subject specialists and the subject matter expert are very

helpful in sequencing the content of the proposed syllabus.

**Planning Course Structure (Selecting a Syllabus Type)** 

The topic-based syllabus is considered to be the most appropriate

syllabus for the teaching of the English course for the students of Industrial

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Engineering. This type of syllabus is organized around topics. The topics can

be chosen in accordance with students' needs and interests, so it is possible to

build the teaching on background knowledge of learners. Therefore learning

becomes meaningful and can increase students' motivation in learning

English.

**Developing Scope and Sequence** 

The English course in Industrial Engineering Department consists of

three credits. In one semester, there are 14 meetings conducted in the

classroom with 100 minutes per meeting focusing on reading and writing and

10 meeting conducted in language laboratory with 150 minutes per meeting

focusing on speaking and listening. Considering the time allotment, the topics

proposed are presented in table 4.1.

Based on the topics carefully selected by the subject matter specialists

and the students, the researcher determined the appropriate forms of language

to be given for each topic to support the students' skills in reaching the

purpose of improving the language skills.

To achieve the goal of reading, students are equipped with the

common skills in comprehending passage by question and answer, getting the

main ideas and the supporting details, getting inferences, understanding

technical terms used to express the meaning from the text.

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**Table 4.1 Topics and the time distribution** 

Unit	Topics	Time
1	Product Design	1
2	The Costumer	1
3	What is Production Line?	1
4	Scales of Production	1
5	Manufacturing Process	2
5	Quality Assurance	1
6	Standard Component	1
7	Safety At Work	1
8	Reading Table and Graph	1
9	Job interview	2
10	Introduction to TOEFL	2

In the effort to achieve the goal of the speaking skill, students need to be motivated by having group discussion, group presentation before they do the individual presentation, role play in making a short conversation or dialogue. Thus, students should be equipped with the ability to ask and answer questions, to express ideas in longer sentences, to make an argument, to open and close a presentation.

In trying to improve in listening comprehension, students are supplied with both authentic materials and exercise on general and specific materials on industrial engineering topics.

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For writing skills, mostly for engineering field the competences

needed are those dealt with the ability to describe product or procedures in

sequential order, to describe industrial processes and to write a simple report

of an experiment.

The grammatical contents are selected based on the selected topics of

the reading passage and the language functioned for expressing ideas in a

discussion and presentation. The form of language mostly appropriate to deal

with the scientific reading are passive construction, clauses and to infinitive

to explain about some ways in describing industrial processes or procedure

of production or management. The degree of comparison is also important to

explain graph or table. Although tenses are important, the teaching is mostly

concerned on present tense to describe processes or procedures of production.

**Developing the Proposed Syllabus** 

This stage deals with writing the syllabus content in detail. It covers

1) the competence standard 2) the basic competences, 3) the indicators, 4) the

materials, 5) the learning experiences, 6) the assessment, 7) the time

allotment and 8) the source.

The competence standard shows the expression of general goal as the

guideline of the course that is elaborated in details in the basic competencies.

The indicators states the minimum required competence that should be

achieved by the learners and are measured through an accurate type of

assessments. Learners should follow some stages of learning in a specific

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time allotment using appropriate media and learning resources to achieve the

targeted competence.

**Evaluation, Revision, Try out** 

The subject matter expert agreed with the topics covered in the

proposed syllabus but she gave suggestion about the sequences of topics. The

syllabus design expert stated that some elements of the syllabus should be

revised in terms of language used and format.

Some following revisions were made based on the valuable feedbacks

obtained from the experts: 1) improving some words used (verbs) in

indicators using operational verbs in order to make them clearer 2) improving

the learning activities in order to match with the indicators, 3) improving the

syllabus format by placing the materials after basic competences and

indicators.

The try-out was conducted by asking an English lecturer to develop

some lesson plans based on the proposed syllabus. While making lesson plans,

the English lecturer found that there were some learning experiences that did

not match with indicators. In terms of the materials, especially in the topics

selected, the lecturer stated that the topics have already been appropriate for

the students of Industrial Engineering because they fulfilled three criteria of

selecting the materials; readability, suitability and exploitability.

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The Discussion

The results of the needs analysis will be used as the basis of

developing the proposed syllabus for the English course in Industrial

Engineering Department at InstitutSains&TeknologiAkprind,

Yogyakarta.Based on the result of the needs analysis, it can be concluded that

the objective of the English course is to provide students with the ability to

communicate in English both written and spoken. Reading and speaking

skills become the main priority in the course. Theability to read and

understand technical terms is very important since the students have to read

and understand a lot of English references, operation manuals, advertisements

and technical terms often used in their subject specialization. Speaking skills

such performing academic presentation, asking question in group discussion

also needs to be developed because this skill is considered to be very

important for their future.

The topics that should be covered in the English course focused on

topics related to their field of study, Industrial Engineering such as Product

Design, The Costumer, What is Production Line?, Scales of Production,

Manufacturing Process, Quality Assurance, Standard Component, Safety At

Work, Reading Table and Graph, Job interview and Introduction to

TOEFL. The topics selected are subject-related topics proposed by subject

specialists that are classified into 10 units. The sequence of the

contents/topics is organized based on the order of the topics.

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Grammar and vocabularies are included in the proposed syllabus

because the students still have problems with them. However, they are not

studied exclusively. They are selected based on the selected topics of reading

passages. Technical words related to the field of industrial engineering are

included in the syllabus with the purpose that the students will be easier in

comprehending texts.

The proposed learning activities demanded by the subject specialists

and students are discussion, presentation, group/pairs work, individual work

and lecturing. For assessment, they like presentation/ discussion, multiple

choice tests and assignments.

The sources of materials are taken from authentic texts, the existing

English commercial books and materials taken from internet as suggested by

the head of the department, subject specialists and the expert of subject

matter. Especially for some authentic materials used in the real subject matter

classes recommended by the head of the department and the subject

specialists, they cannot be employed because they do not match with

students' level of proficiency due to the complexity of the language

Concerning with the assessment to measure the students' progress,

discussion, multiple choice tests, presentation and assignment are various

forms of assessments that are applied because they are preferred by the

students.

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**CONCLUSION AND SUGGESTIONS** 

Having done the sequential stages in developing the syllabus, it is

concluded that this topic-based syllabus is appropriate for the English course

since it is developed based the needs analysis involving the head of Industrial

Engineering Department, subject specialists, students and English lecturer

and validated by two experts, syllabus design and content experts.

To make use of the syllabus, it is recommended that English lecturers

collaborate with subject specialists of the related fields to get clear

description of the subject being discussed. In the implementation of the

syllabus, reevaluation and revisions should be continuously conducted to

make it more applicable along with the dynamic of students' needs and

classroom activities. It is important to socialize the proposed syllabus

especially to the users including the lecturers of the English course and the

students who involve in the course.

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