

# Development of Teaching Material on Courses of Growth and Development of Motion Study

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**Abstract:** *This study aims to produce the product of syllabus and learning contract on courses of growth and development of motion study. It was conducted by using development research. The researcher did re-design of syllabus and GBPP through need analysis to collect the data from the stakeholder, an expert of Growth and development of motion study, the lectures of growth and development of motion study, syllabus analysis and GBPP which used all the time. After revising, next activity were collect the material from textbook, journal and another relevant documents. Syllabus and learning contract which had been prepared later going to conference to produce a good product and in accordance with the demands of competence. Based on the result of the conference, re-revised the draft to produce a syllabus and lecture contract of Growth and development of motion study which can be used as guidelines in preparing lesson plans and teaching materials.*

**Keywords:** syllabus, learning contract, development research

## 1. Introduction

In order to understand the growth and development of the motion in accordance with the age characteristics of students, designed curriculum that is with the subject which suitable it was the courses of growth and development of motion study. The competence to be achieved student in this course is that students are able to understand about the understanding of motor development and the difference with the growth and maturity, the rationale importance of motor development in teaching physical education. Achievement of competence for students on the subject must be supported by a variety of learning resources.

But, in the field condition observations and interviews result to several lecturers of KDBK who that administer the course Growth and Development of motion study it can be concluded some case it was there is no uniformity of syllabus and learning contract that created by lecturers, uniformity of lesson plan yet, and limitations of supporting the course book. In another word the lectures teach based on the experience and what is remembered of lecturers (outside the head). And there is no perception among faculty and each lecturer has no teaching materials in teaching on growth and development of motion study. The main impact for the lecture is the differences of teaching material in the delivery of the course on growth and development of motion study.

Specifically the aims in this development research was to develop syllabus and learning contract which begins with a redesign of curriculum (GBPP / syllabus) according to the needs of users who produce syllabi and lectures contract in print out/ book form which ready to be used through a process of discussion and conferences.

## 2. Research Method

This research was conducted by using development research. This research was began with need analysis from users as material to redesign the curriculum (GBPP/Syllabus).

Followed by gathering materials to prepare the lecture material and learning contract.

### Research procedure

This study was conducted to produce the product of syllabus and learning contract of growth and development of motion study. The activities in the first year include the re-design the syllabus and GBPP through need analysis with collect the data from the stakeholder, an expert of growth and development of motion study, the lectures of growth and development of motion study, syllabus analysis and GBPP which used all the time. After the formulation of competence, syllabus and GBPP was revise, the next activity was collect the material from textbook, journal and other relevant documents. Data is also collected from stakeholders, an expert of growth and development of motion study, the lectures of growth and development of motion study. In making of syllabus and learning contract still consider the sequence and the depth of the subject matter. Syllabus and learning contract which had been develop subsequently conference to produce a good product and in accordance with the demands of competence.

### Research Result

The details how the course material development pace of growth and development of motion study can be expressed as follows:

#### 1) Need Analysis

At the first stage it is needed necessary information that related to the courses of growth and development of motion study. Such information form; collect the data from the stakeholder, an expert of growth and development of motion study, lecturer in the growth and development of motion study, analysis of RPP and the syllabus is used for this. Step information gathering done by reading the syllabus, RPP (lesson Plan), field observations, interviews with professors, and experts studying the growth and development of motion.

Various information related to the growth and development of motion study the data sources can be used in conducting a needs analysis. Do observations of teaching faculty preparation course at faculty of sport science with used panduan wawancara. From interviews with lecturers subjects studied the growth and development of motion it can be concluded that:

- There It's not complete handbook to learn the course of growth and development of motion
- There is a difference in delivery the material of growth and development of motion study, especially in the order of the material.
- Lack of literature / books support for the course of growth and development of motion
- There is no similarity between the lecture in the process of assessment of learning the course of growth and development of motion
- Poor understanding of the students because there is no handbook for the course of growth and development of motion study and the differences in delivery the material.

From the result of syllabus and lesson plan it can be concluded that:

- Uniformity of lesson plan
- There is no suitable between syllabus and lesson plan
- The lack of resources book in the lesson plan
- Not all lecturer growth and development of motion study makes lesson plan
- Not all makes evaluation of learning in the lesson plan
- Not included the competence standard and basic competence
- Not included the source book which can be used as a reference for students

After doing an interview and observation with the lecture so conducted interviews with stakeholder and expert to look at the needs in the development of teaching materials of growth and development of motion study. The results of interviews with stakeholders and experts on expected competencies:

- The students understand the principles of growth and development of motion study which suitable to the characteristics and age of the child
- The students can make learning planning motion based on growth and the development of children's learning

Then sharing with the lecturers of STOK Bina Guna Collage about the material of development teaching material of growth and development children's learning and the student's competence there is an additional input for expected competencies it was the student can make designing appropriate learning movement characteristics and age of the child. Based on the finding and input from the expert, stakeholder and sharing with another collage, so at that time the lecture of growth and development of motion study needs a curriculum that related with the course of growth and development of motion study it was syllabus and learning contract so the students have the competence in development the courses of growth and development of motion study, based on the competence standard and basic competences that have been defined in the syllabus.

## 2) Planning

The finding is the basis of field data to plan development activities, so development of learning based was done based on the needs of the field. Based on the interview with the lecturer, an expert of growth and development of motion study of the children and students so it can specified purposes such as teaching materials development courses of growth and development of motion study of children. The scope of activities include; preparing a syllabus, learning contract.

These planning activities should also consider of some terms: *man, money, material, method*. Man in relation to whom the informant, including students, lecturer, expert and stakeholder. Money related to financing or funding sources, from where and how much. Materials related to the necessary ingredients in the development of teaching materials, This material is not only ATK material, but also content or material teaching materials will be presented. Method related to the implementation of the activities to be carried out, like the input from the expert of growth and development of motion study of children, then conducted conferences improvement of teaching materials course of growth and development of motion study of children.

## 3) Product Development

Product developments focus in preparation for preparing a syllabus, lesson plan, and learning contract which is related to the syllabus. At this stage a structured syllabus design which is a miniature of the condition which necessary in the course of growth and development of motion study of children. Those product that will be used in preparing the learning contract. The preparation of the product carried out by researchers based on input from experts and stakeholders and accompanied by highly skilled workers. An expertise can be a content expert and learning expert (instructional designers). The steps of the preparation of the syllabus is to determine the identification of the competency standard / basic competence, development indicators, the development of learning materials, the development of learning activities, determination of the type of assessment, determining the allocation of time, and determination of the source / materials / tools.

Furthermore after the completion of syllabus developed, followed by the development study contract. The contract is an agreement lecturing faculty and students about various aspects of lectures which conducted at the beginning of the lecture. The descriptions in making the contract the following benefits college courses, course descriptions, instructional objectives, organization of material, lectures strategy, materials / literature, assignments, assessment criteria, class schedules, topics and reading materials.

## 4) An experiment of small group teaching material

After the draft development of syllabus, learning contract and material of growth and development of motion study of children was done, so an experiment conducted with a focus group discussion models to revise the draft materials that have almost been completed. The first experiment activity to get the data, information, and the input about feasibility syllabus, learning contract in terms of the feasibility of the material, and completeness of presentation. The Scope of activities such as testing readability syllabus, learning

contract, includes aspects of correlation with curriculum, lesson plans, functional and meaningful, and an interesting presentation. This activity is done with the present that has been compiled and discussions with an experts consisting of

3 experts based on indicator criteria that have been adapted. Based on the indicator criteria are evaluated in focus group discussions, the inputs in the following activities:

| No | Name                  | Indicators   |   |  | Ket |
|----|-----------------------|--|---|--|-----|
|    |                       | Eligibility material   | Eligibility presentation  | completeness of presentation   |     |
| 1  | Dr. Imran Akhmad M.pd | <ol style="list-style-type: none"> <li>The material should be delivered based on competency standards in syllabus</li> <li>The material presented Starting from the concept, explaining, for example, must describe the substance of the material that supports the achievement of all the basic competencies</li> </ol>                                       | <ol style="list-style-type: none"> <li>1. Systematic presentation of material in chapters and sub-chapters should interconnectedness cover</li> <li>2. The presentation of the material adjusted to the level of student understanding.</li> </ol>                    | <ol style="list-style-type: none"> <li>1. Make an introduction of learning contract</li> <li>2. Create a reference and source of reference books with the latest.</li> </ol> |     |
| 2  | Dr. Asep Suharta M.Pd | Material presented supports the achievement of competency standards that have been defined   | <ol style="list-style-type: none"> <li>1. Presentation of the concept included start from easiest one to the difficult one, from the simple to the complex one</li> <li>2. Presentation of material between chapters, subchapters regulated proportionally</li> </ol> | The list of books used as reference material should be in accordance with the rules of writing.  |     |
| 3  | Drs. Suharjo M.Pd     | <ol style="list-style-type: none"> <li>Need additional material for the basic motor skills of children in accordance with the growth and development of the child's basic motion.</li> <li>The material presented start from the concepts, definitions, examples, shall be in accordance with the level of growth and motor development of children</li> </ol> | Each chapter presents a summary / conclusion to measure student learning success  | In the introduction to specify how to learn to be followed by students.  |     |

### 5) Revised first product

The results of the focus group discussions draft analyzed for enhanced, in accordance with the input which is given by an expert. With the revision of the three indicators it expected that product syllabi and learning contract arranged more easily digested by students. So be able to achieve competency achievement on courses of growth and development of motion study.

### 6) An experiment of large group teaching material

The products that have been revised conference by inviting 12 people which consist of sports expert, lecture's sport. Test and evaluate legibility, the accuracy and content of the appearance. This test stage is the process to determine the effectiveness of teaching materials on courses of growth and development of motion study which had been developed through the reaction of various part to the syllabus and learning contract of growth and development of motion study. The feedback in testing large groups through conference are:

| No | Name                   | Position   | Input  |
|----|------------------------|--|--|
| 1  | Dr. Imran Akhmad       | Lecturer of Motion Growth                                      | - Material growth and development of motion the individual, becomes a major part                                   |
| 2  | Dr. Amir Supriadi M.Pd | Lecturer of Motion Growth                                      | - for the basic subject of movement skills is focus on the motion of the locomotor, non locomotor and manipulative |
| 3  | Amansyah M.Pd          | Lecture of Physical education teaching and learning strategies | Put the material factors that affect on learning motion  |
| 4  | Nurkhairani M.Pd       | Lecture  | - The motion characteristics of children from conception through adolescence                                       |
| 5  | Bessy S. Pane M.Pd     | Lecture  | - throwing motion skill into sub subject in the basic motion   |
| 6  | Afri Tantri M.Pd       | Lecture  | - Catch motion skill into a subject in motion sub base   |
| 7  | Usman Nasution M.Pd    | Lecture  | - Put Material factors that affect the growth and development of human movement                                    |
| 8  | Bangun Setia M.Or      | Lecture  | - Put classification material of children's motion   |
| 9  | M. Irfan .M.Or         | Lecture  | - Put the factors which affect on children's motion.   |
| 10 | Raswin M.Pd            | Lecture  | - nothing  |
| 11 | Zulfan Heri M.Pd       | Lecture  | - Need additional material to quality improvement of children's motion program.                                    |
| 12 | Drs. Suharjo M.Pd      | Lecture  | - nothing  |

### 1. Revised second product

The results of the conference which involve 12 people from various fields of sports so analyzed draft for enhanced, based

on the input which given by the expert in conference. The revisions are expected syllabus and learning contract product

already referable and used for the course growth and development of motion.

### 3. Conclusion

Syllabus and learning contract development should be based on field needs, so it will be functional in accordance with user needs. Based on the large group conference, re-revised the draft so produce a syllabus and learning contract on courses Growth and development of motion study which used as guidelines in preparing lesson plans and teaching materials.

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