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APPENDICES

APPENDIX A

QUALITY INDICATOR INSTRUMENT

Please considers each statement and sign at the blank of probability score and scenario based on your opinion. The criteria of probability score is the following:
 5 - means that statement is most likely to occur or that is the greatest probability.
 4 - means that statement is highly likely to occur or that is a great probability.
 3 - means that statement is moderately likely to occur or that is the moderate probability.
 2 - means that statement is lightly likely to occur or that is the little probability.
 1 - means that statement is least likely to occur or that is the least probability.
 Desirable - scenario means if that particular statement occurs, it should be the good thing.
 Undesirable - scenario means if that particular statement occurs, it should not be the good thing.

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
<p>I. ORGANIZATION AND POLICY</p> <ol style="list-style-type: none"> 1. The program have vision statement which follow the vision of mother institution. 2. The program have the mission statement which follow the mission of the mother institution 3. Institutional objective is very clear and written according to the vision and mission of the program 4. The management structure is according to higher education system (decree no. 60 and Year 2002) 5. The management structure is according to Ministry of Health decree (decree no.210 and Year 2002) 6. Long term budged plan related to teaching learning 7. long term budged plan in research 8. long term budged plan in public services 9. long term plan in the area of: <ol style="list-style-type: none"> 9.1 manpower 9.2 facilities and teaching equipment 9.3 room and building 9.4 library 10. Management should be a nurse. 11. Management should have management capability, not necessary a nurse <p>II. STUDENT</p> <ol style="list-style-type: none"> 1. The entry qualification should be high school graduate 2. Should give opportunity to graduate of SPK graduate to enter 3. The entry should senior high school graduate from math group 4. There should be 40 student in one classroom 5. Maximum number of student in the one class is not more than 80 6. The height and weight should also be consider as entrance 							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
<p>III. CURRICULUM</p> <ol style="list-style-type: none"> 1. Development of curriculum is based on the guide line in National curriculum. 2. Curriculum development is not necessary in line with the National curriculum but Global trend and the institutional own value and believe. 3. Curriculum development is not necessary in line with the National curriculum but should with the partner institution. 4. the following aspect of curriculum is in line with the national guide line: education process, credits, length of study. 5. Curriculum development is in line with the vision and mission and institutional. 6. Additional credit/subject to practice the 144 in line no.10 7. Competency graduate (BSN) is stated in line with the vision and mission of institution. 8. The following aspect is included in curriculum structure: <ol style="list-style-type: none"> 8.1 course title 8.2 total credits for each course 8.3 teaching learning activities 8.4 credit hour for each teaching learning activities 9. Curriculum monitoring being done each 4 years 10. Curriculum monitoring being done each 5 years 11. Curriculum monitoring Development is within 3-5 years <p>IV. MAN POWER:</p> <ol style="list-style-type: none"> 1. Permanent teaching staff with master in nursing background for the following area: <ul style="list-style-type: none"> ▪ Medical surgical and emergency nursing ▪ Maternity and child care ▪ Community nursing and Geriatric nursing -Psychiatric nursing -Nursing management 2. Full time teacher with BSN background in the following area: <ol style="list-style-type: none"> a. fundamental nursing b. medical surgical and emergency nursing c. Maternity Nursing d. Child care e. Community nursing f. Geriatric nursing g. Psychiatric nursing h. Nursing management 3. Each staff have updated their registration status 4. Only those who has clinical teaching course. 5. Each staff have their assignment letter specific related to their specialty 							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
<p>6. Teaching staff should be sufficient in number to teach the prescribed courses Overall ratio of nursing teacher must be:</p> <p>a. 1 : 18 b. 1 : 10 c. 1 : 12</p> <p>7. Sufficient number of supporting staff and their qualification</p> <p>a. BS graduate for Academic division b. D III graduate for Academic division c. BS graduate for student service division d. D III graduate for student service division e. BS graduate for library f. D III graduate for library g. BS graduate for finance h. D III graduate for finance i. BS graduate for personnel</p> <p>8. There are teacher preparation program for new faculty</p> <p>9. At least monitoring system is provided for new teacher</p> <p>10. Certification program are provided for new faculty</p> <p>11. training should provided according their job specification in every 1-3 years</p> <p>12. Head of supporting staff should not teaching staff as much as possible</p> <p>13. Any teaching staff could become the head of supporting staff</p> <p>V. EQUIPMENT & TEACHING FACILITIES</p> <p>1. Building, physical facilities</p> <p>a) classroom, demonstration and auditorium with adequate furniture b) lecture and demonstration room adequate for students group c) adequate lecture and laboratory room d) well equipped laboratory at least for a group of 20 students in Medical surgical, Fundamental, Maternity, and pediatric nursing e) library adequate for 20 % of student and 10 % faculty f) a room for education material g) sufficient room for small group/class (8-12 person) h) computer laboratory adequate for one group student</p> <p>2. Audiovisual materials</p> <p>a) Have at least overhead projector in each class room b) OHP, LCD/computer adequate to conduct teaching learning</p>							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
<p>3. Learning materials:</p> <p>a) Books in the library at least 2 books for each specialty area</p> <p>b) Book must be latest edition</p> <p>c) National Journal on nursing science (subscribe)</p> <p>d) At least have one International nursing journal</p> <p>e) Articles published by Nursing association, WHO, MOH, MOE</p> <p>f) CD, Video Cassette related to study area</p> <p>g) Library opening hour until night</p> <p>h) Copy services are provided inside library</p> <p>i) Students are free to copy learning materials in library</p> <p>j) Computers equipped with internet for 10 % of student number</p> <p>k) Hospital/nursing equipment at least enough for 4 group student</p> <p>l) Hospital/nursing equipment at least 8 for each item</p> <p>VI. TEACHING/LEARNING GUIDELINES</p> <p>1. student guide book</p> <p>2. Practicum manual for each practicum area</p> <p>3. Practicum card for each practicum topic</p> <p>4. Practicum guideline for each practicum area</p> <p>5. Practicum guideline include the evaluation tools</p> <p>VII. FACILITIES FOR CLINICAL PRACTICE</p> <p>1. The main clinical practice should at least type B Hospital</p> <p>2. Clinical facilities according to academic program</p> <p>3. Hospital should at least have main health services</p> <p>4. Letter of agreement for each learning site</p> <p>5. Health center or hospital should provide a room for student discussion</p> <p>6. Clinical practice have enough staff to provide services</p> <p>7. Clinical practice should in the same area with the school</p>							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
<p>PROCESS</p> <p>I. TEACHING LEARNING MANAGEMENT</p> <ol style="list-style-type: none"> 1. Teaching plan for each course being discussed at the first meeting 2. Teacher provide hand out for each session 3. Syllabus distributed for each student participate to its course 4. Student presence being monitor for each teaching session 5. Teaching method in line with learning objective 6. Have a transparent evaluation system for each course 7. Percentage of each evaluation type identified 8. Student attendance will influence their evaluation 9. Practicum be regarded as 100 % presence 10. Teaching load for each teacher in class is 8 hours per week 11. Clinical practicum teaching is 40 hours per week 12. One classroom consist of 40 student 13. Maximal number in one class is 100 14. It should be less than 80 student in one classroom 15. One teacher is responsible for 8 – 12 student 16. Maximum number of student in one group is 15 student 17. As much as possible should implement the advance teaching method in the teaching 18. Clinical practice should under supervision of qualified nurse 19. Teaching learning should be monitor every semester head of institution <p>II. RESEARCH ACTIVITIES AND CONSULTANCY</p> <ol style="list-style-type: none"> 1. Faculty conduct at least one research topic each year 2. Student being ask to participate in faculty research 3. Faculty provide sufficient time for student research consultancy 4. Faculty able to get external funding for their research 							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
5. Special budget for research being provided by the institution 6. There are Publication regarding faculty/ student research activity 7. At least one research should be done by each department every year III. STUDENT GUIDENCE AND COUNCELING PRACTICE 1. Each faculty is responsible to at least 20 student 2. Maximal number student for each faculty is 30 3. At least 3 time per semester each faculty have to meet student 4. Student are encouraged to seek for help and consult the faculty at any time needed 5. Faculty are always show their readiness OUTPUT & OUTCOME I. STUDENT ACHIEVEMENT 1. More than 40 % student graduate on time 2. At least 10 % graduate received outstanding achievement <i>cumlaude</i> 3. Less than 3% student drop out from the course each year 4. GPA average 3.0 5. 70 % have more than GPA 2.75 II. STUDENT SATISFACTION 1. More than 80 % student satisfaction to their study is high 2. At least 10 % of student encourage high school graduate to enter the faculty or study program III GRADUATE WORK EXPERIENCE 1. Graduate waiting time rate is two years 2. Waiting time for graduate 1-3 years 3. More than 80 % graduate work as professional nurse 4. More than 80 % graduate could implement their knowledge in their working area							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
IV. GRADUATE WORK SATISFACTION 1. More than 80 % graduate satisfy with their work 2. Graduate satisfaction to their work is between 70-85 % 3. The acceptance rate working place toward graduate is 80 % 4. Only less than 10 % workplace are not satisfy with graduate							

APPENDIX B

QUALITY INDICATOR INSTRUMENT

Please considers each statement and sign at the blank of probability score and scenario based on your opinion. The criteria of probability score is the following:
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 2 - means that statement is lightly likely to occur or that is the little probability.
 1 - means that statement is least likely to occur or that is the least probability.
 Desirable - scenario means if that particular statement occurs, it should be the good thing.
 Undesirable - scenario means if that particular statement occurs, it should not be the good thing.

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
INPUT 1.ORGANIZATION AND POLICY 1.1 The program have vision statement which follow the vision of mother institution. 1.2 The program have the mission statement which follow the mission of the mother institution 1.3 Institutional objective is very clear and written according to the vision and mission of the program 1.4 The management structure is according to higher education system (decree no. 60 and Year 2002) 1.5 long term budged plan related to: teaching learning, research, public services 1.6 long term plan in the area of: 1.manpower 2.facilities and teaching equipment 3.room and building 4.library 1.7 Management should be a nurse. 2.STUDENT 2.1 The entry qualification should be high school graduate 2.2 Should give opportunity to graduate of SPK graduate to enter 2.3 Maximum number of student in the one class is not more than 80 3.CURRICULUM 3.1 Development of curriculum is based on the guide line in National curriculum. 3.2 the following aspect of curriculum is in line with the national guide line: education process, credits, length of study. 3.3 Curriculum development is in line with the vision and mission and institutional. 3.4 Competency graduate (BSN) is stated in line with the vision and mission of institution.							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
<p>3.5 The following aspect is included in curriculum structure:</p> <p>3.5.1 course title</p> <p>3.5.2 total credits for each course</p> <p>3.5.3 teaching learning activities</p> <p>3.5.4 credit hour for each teaching learning activities</p> <p>3.6 Curriculum monitoring Development is within 3-5 years</p> <p>4.MAN POWER:</p> <p>4.1 Permanent teaching staff with master in nursing background for the following area:</p> <p>4.1.1 Medical surgical and emergency nursing</p> <p>4.1.2 Maternity and child care</p> <p>4.1.3 Community nursing and Geriatric nursing</p> <p>-Psychiatric nursing -Nursing management</p> <p>4.1 Full time teacher with BSN background in the following area:</p> <p>1.fundamental nursing</p> <p>2.medical surgical and emergency nursing</p> <p>3.Maternity Nursing</p> <p>4.Child care</p> <p>5.Community nursing</p> <p>6.Geriatric nursing</p> <p>7.Psychiatric nursing</p> <p>8.Nursing management</p> <p>4.2 Each staff have updated their registration status</p> <p>4.3 Teaching staff should be sufficient in number to teach the prescribed courses</p> <p>Overall ratio of nursing teacher must be:</p> <p>4.3.2 1 : 12</p> <p>4.4 Sufficient number of supporting staff and their qualification</p> <p>4.4.2 BS graduate for Academic division</p> <p>4.4.3 D III graduate for student service division</p> <p>4.4.4 D III graduate for library</p> <p>4.4.5 BS graduate for finance</p> <p>4.5 There are teacher preparation program for new faculty</p> <p>5.EQUIPMENT & TEACHING FACILITIES</p> <p>5.1Building, physical facilities</p> <p>5.1.1 lecture and demonstration room adequate for students group</p> <p>5.1.2 well equipped laboratory at least for a group of 20 students in Medical surgical, Fundamental, Maternity, and pediatric nursing</p> <p>5.1.3 library adequate for 20 % of student and 10 % faculty</p> <p>5.1.4 sufficient room for small group/class (8-12 person)</p> <p>5.1.5 computer laboratory adequate for one group student</p>							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
5.2 Audiovisual materials 5.2.1 Have at least overhead projector in each class room 5.3 Learning materials: 5.3.1 Books in the library at least 2 books for each specialty area 5.3.2 National Journal on nursing science (subscribe) 5.3.3 Articles publish by Nursing association, WHO, MOH, MOE 5.3.4 CD, Video Cassette related to study area 5.3.5 Library opening hour until night 5.3.6 Copy services are provided inside library 5.3.7 Computers equipped with internet for 10 % of student number 5.3.8 Hospital/nursing equipment at least enough for 4 group student 6 TEACHING/LEARNING GUIDELINES 6.1 Practicum guideline for each practicum area 6.2 Practicum guideline include the evaluation tools 7. FACILITIES FOR CLINICAL PRACTICE 7.1 The main clinical practice should at least type B Hospital 7.2 Clinical facilities according to academic programe 7.3 Letter of agreement for each learning site 7.4 Health center or hospital should provide a room for student discussion 7.5 Clinical practice should in the same area with the school PROCESS 1. TEACHING LEARNING MANAGEMENT 1.1 Teaching plan for each course being discussed at the first meeting 1.2 Syllabus distributed for each student participate to its course 1.3 Student presence being monitor for each teaching session 1.4 Teaching method in line with learning objective 1.5 Have a transparent evaluation system for each course 1.6 Percentage of each evaluation type identified 1.7 Student attendance will influence their evaluation 1.8 Teaching load for each teacher in class is 8 hours per week							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
1.9 Maximum number of student in one group is 15 student							
1.10 Clinical practice should under supervision of qualified nurse							
1.11 Teaching learning should be monitor every semester head of institution							
2. RESEARCH ACTIVITIES AND CONSULTANCY							
2.1 Faculty provide sufficient time for student research consultancy							
2.2 Faculty able to get external funding for their research							
2.3 Special budget for research being provided by the institution							
2.4 There are Publication regarding faculty/ student research activity							
2.5 At least one research should be done by each department every year							
3. STUDENT GUIDENCE AND COUNCELING PRACTICE							
3.1 Each faculty is responsible to at least 20 student							
3.2 At least 3 time per semester each faculty have to meet student							
3.3 Faculty are always show their readiness							
OUTPUT & OUTCOME							
1. STUDENT ACHIEVEMENT							
1. More than 40 % student graduate on time							
2. At least 10 % graduate received outstanding achievement <i>cumlaude</i>							
3. Less than 3% student drop out from the course each year							
4. GPA average 3.0							
5. 70 % have more than GPA 2.75							

Statement	Probability					Scenario	
	Greatest			Least		Desirable	Undesirable
	5	4	3	2	1		
2. STUDENT SATISFACTION							
1. More than 80 % student satisfaction to their study is high							
2. At least 10 % of student encourage high school graduate to enter the faculty or study program							
3. GRADUATE WORK EXPERIENCE							
1. Waiting time for graduate 1-3 years							
2. More than 80 % graduate work as professional nurse							
3. More than 80 % graduate could implement their knowledge in their working area							
4. GRADUATE WORK SATISFACTION							
1. Graduate satisfaction to their work is between 70-85 %							
2. The acceptance rate working place toward graduate is 80 %							

APPENDIX C

QUALITY INDICATORS OBSERVATION INSTRUMENT

BS NURSING

QUALITY INDICATOR	OCCURANCE		REMARK
	YES	NO	
INPUT			
1. ORGANIZATION AND POLICY			
1.1 The program have vision statement which follow the vision of mother institution.			
1.2 Institutional objective is very clear and written according to the vision and mission of the program			
1.3 The management structure is according to higher education system (decree no. 60 and Year 2002)			
1.4 Long term budgeted plan related to: teaching learning, research, public services			
1.5 Management should be a nurse.			
2. STUDENT			
2.1 The entry qualification should be high school graduate			
2.2 Maximum number of student in the one class is not more than 80			
3. CURRICULUM			
3.1 Development of curriculum is based on the guide line in National curriculum.			
3.2 the following aspect of curriculum is in line with the national guide line: education process, credits, length of study.			
3.3 Curriculum development is in line with the vision and mission and institutional.			
3.4 Competency graduate (BSN) is stated in line with the vision and mission of institution.			

QUALITY INDICATOR	OCCURANCE		REMARK
	YES	NO	
<p>3.5 The following aspect is included in curriculum structure:</p> <ol style="list-style-type: none"> 1.course title 2.total credits for each course 3.teaching learning activities 4.credit hour for each teaching learning activities <p>3.6 Curriculum monitoring Development is within 3-5 years</p> <p>4. MAN POWER:</p> <p>4.1 Permanent teaching staff with master in nursing background for the following area:</p> <ol style="list-style-type: none"> 4.1.1 Medical surgical and emergency nursing 4.1.2 Maternity and child care 4.1.3 Community nursing and Geriatric nursing <p>-Psychiatric nursing -Nursing management</p> <p>4.2 Full time teacher with BSN background in the following area:</p> <ol style="list-style-type: none"> 1.fundamental nursing 2.medical surgical and emergency nursing 3.Maternity Nursing 4.Child care 5.Community nursing 6.Geriatric nursing 7.Psychiatric nursing 8.Nursing management <p>4.3 Each staff have updated their registration status</p> <p>4.4 Teaching staff should be sufficient in number to teach the prescribed courses Overall ratio of nursing teacher must be 1 : 12</p> <p>4.5 There are teacher preparation program for new faculty</p>			

QUALITY INDICATOR	OCCURANCE		REMARK
	YES	NO	
5. EQUIPMENT & TEACHING FACILITIES			
5.1 Building, physical facilities			
5.1.1 lecture and demonstration room adequate for students group			
5.1.2 well equipped laboratory at least for a group of 20 students in Medical surgical,			
5.1.3 Fundamental, Maternity, and pediatric nursing			
5.1.4 library adequate for 20 % of student and 10 % faculty			
5.1.5 computer laboratory adequate for one group student			
5.2 Audiovisual materials			
Have at least overhead projector in each class room			
5.3 Learning materials:			
5.3.1 Books in the library at least 2 books for each specialty area			
5.3.2 Articles publish by Nursing association, WHO, MOH, MOE			
5.3.3 CD, Video Cassette related to study area			
5.3.4 Library opening hour until nigh			
6. TEACHING/LEARNING GUIDELINES			
6.1 Practicum guideline for each practicum area			
6.2 Practicum guideline include the evaluation tools			
7. FACILITIES FOR CLINICAL PRACTICE			
7.1 The main clinical practice should at least type B Hospital			
7.2 Clinical facilities according to academic program			
7.3 Letter of agreement for each learning site			
7.4 Clinical practice should in the same area with the school			

QUALITY INDICATOR	OCCURANCE		REMARK
	YES	NO	
PROCESS			
1.TEACHING LEARNING MANAGEMENT			
1.1 Teaching plan for each course being discussed at the first meeting			
1.2 Syllabus distributed for each student participate to its course			
1.3 Student presence being monitor for each teaching session			
1.4 Teaching method in line with learning objective			
1.5 Have a transparent evaluation system for each course			
1.6 Percentage of each evaluation type identified			
1.7 Student attendance will influence their evaluation			
1.8 Teaching load for each teacher in class is 8 hours per week			
1.9 Maximum number of student in one group is 15 student			
1.10 Clinical practice should under supervision of qualified nurse			
1.11 Teaching learning should be monitor every semester head of institution			
2.RESEARCH ACTIVITIES AND CONSULTANCY			
2.1 Faculty provide sufficient time for student research consultancy			
2.2 Faculty able to get external funding for their research			
2.3 Special budget for research being provided by the institution			
2.4 There are Publication regarding faculty/ student research activity			
2.5 At least one research should be done by each department every year			

QUALITY INDICATOR	OCCURANCE		REMARK
	YES	NO	
<p>3.STUDENT GUIDENCE AND COUNCELING PRACTICE</p> <p>3.1 Each faculty is responsible to at least 20 student</p> <p>3.2 At least 3 time per semester each faculty have to meet student</p> <p>3.3 Faculty are always show their readiness</p> <p>OUTPUT & OUTCOME</p> <p>1.STUDENT ACHIEVEMENT</p> <p>1.1 More than 40 % student graduate on time</p> <p>1.2 Less than 3% student drop out from the course each year</p> <p>1.3 GPA average 3.0</p> <p>1.4 70 % have more than GPA 2.75</p> <p>2.STUDENT SATISFACTION</p> <p>More than 80 % student satisfaction to their study is high</p> <p>3.GRADUATE WORK EXPERIENCE</p> <p>3.1 Waiting time for graduate 1-3 years</p> <p>3.2 More than 80 % graduate work as professional nurse</p> <p>4.GRADUATE WORK SATISFACTION</p> <p>4.1 Graduate satisfaction to their work is between 70-85</p> <p>4.2 The acceptance rate working place toward graduate is 80 %</p>			

APPENDIX D

LETTER TO PARTICIPANT

Dear

I am a doctorate student in Faculty of Nursing Chulalongkorn University Thailand, and right now I am preparing my dissertation in title: The Development of Quality Indicators of BS Nursing Education in Indonesia.

I would like to invite you be one of the participants of this study. You are purposely invited because you are one of nurse expert who also very concern to the condition of nursing education in Indonesia. I will use Ethnographic Delphi Futures Research (EDFR) technique which involves an in-depth interview and two round Delphi probing.

During the in-depth interview, you might express your opinions and idea about any aspect which should exist in any BN education in Indonesia. During EDFR probing, I will send you a questioner consist of list of quality indicator which has been perceived by all participants including you in order to get a consensus of ideas.

If you decide to participate, I will schedule an appointment and interview you. Your name and answers to all questions will be kept confidential.

Your cooperation in this study is very much appreciated and I am looking forward to meet you soon. If you have any question, do not hesitate to contact me at 78846120-1 (office) and 08129104773 (mobile)

Sincerely yours,

Dewi Irawaty

APPENDIX E

LETTER TO RESPONDENT I

Dear.....

I am Dewi Irawaty the graduate student of Faculty of Nursing Chulalongkorn University who have received your cooperation by participating the interview stage about quality indicators of Baccalaureate Nursing (BN) education in Indonesia last few weeks ago.

I will proceed to the second stage of the study by sending you a questioner consist of list of quality indicators of BN education in Indonesia as result of the in-depth interview we have before.

I hope I will receive your cooperation and get your consideration and comments to that questioner. I would appreciate if I could get your response by next two week. Thank you very much for your kind consideration.

Sincerely yours,

Dewi Irawaty

APPENDIX F

LETTER TO RESPONDENT II

Dear

Referring to your previous commitment, I am sending back to you a questioner to receive your second consideration and comment.

This is the last round of my study and in order for the result become accurate and reliable, it is important that you reconsider each item carefully.

I would appreciate if I could get your response in the very near time,

Sincerely yours.

Dewi Irawaty

BIOGRAPHY

I am Dewi Irawaty, a registered nurse in Indonesia with Master in Nursing in area of Medical Surgical Nursing, graduated from Faculty of Nursing, University of the Philippines on 1988. Right now I am working as a nursing faculty member in Faculty of Nursing University of Indonesia, Jakarta. Formally I was a staff nurse in Government Hospital in Jakarta in late seventies and then become instructor in Diploma Nursing Education in Jakarta under the jurisdiction of Ministry of Health. Nursing education is my another area of concern and I did several development project in Indonesia and provide consultancy related to nursing education, mainly in curriculum development and student evaluation in many universities in Indonesia. I am also member of National Development in nursing research in Ministry of Health and represent of nursing profession in National Board of Higher Education Accreditation.