The Effectiveness of Innovation in Teaching and Learning Thai Traditional Medicine in New Normal

[1]**Khamolluck Phothiarunphat**
[2]**Kasem Saengnont**
[1][2]Faculty of Education, Mahachulalongkornrajavidyalaya University, Thailand
E-mail: Khamolluck.ph@gmail.com

ABSTRACT

This article is part of a research study entitled model of the effectiveness of innovation in teaching and learning Thai traditional medicine in new normal which takes part to write an article reflecting some of the studies in the form of an academic article by focusing on the study of the innovative condition of teaching and learning Thai traditional medicine for the change of the world in the situation of COVID-1 9. Qualitative study was used for the method of study by interviewing Thai traditional medicine teachers and academics in Buddhist administration. It was concluded as 1) innovation in new normal, 2) the teaching and learning process of Thai traditional medicine, 4) the effectiveness of teaching and learning innovation. Results showed that teaching management at present focusing on active learning, therefore, is a learning management process based on the concept of intellectual creativity (Constructivism) that emphasizes the learning process rather than the subject content to help learners to connect knowledge or create knowledge in one's own. The results of teaching and learning Thai traditional medicine is to pass the professional license exam according to the standards of the Thai Traditional Medical Council Thai traditional medicine is a body of knowledge related to human life. Therefore, it must be treated properly, properly and in accordance with the ethics of Thai traditional medicine as well.

INTRODUCTION

Thai traditional medicine course, it is the development of a curriculum that needs to be distributed. Local Availability Management to be consistent with the arts, culture, environment and well-being of the people that exist in each locality. It replaces the traditional curriculum that uses a centralized approach to development and can be summarized as curriculum educational innovations.

Educational innovations are new ideas, new forms, new methods, new techniques, new approaches that have been applied creative and developed from the existing ones, or creating new ideas with new wisdom to create things that are beneficial to education management in the non-formal education system and informal education. It can be explained that the educational curriculum has new principles have a new purpose. The course structure is emerging new learning material new learning management approach measurement and evaluation of new learning, etc. [1]

By studying the concept of regarding the curriculum taught by many educators such as Kanchana Kunarak, Preeyaphon Wonganutaroj, it can be concluded that the curriculum.

Teaching means educational institutions using new technological innovations to develop teaching Thai traditional medicine to manage existing courses to improve them and suitable for the objectives or aims of the curriculum and bring new innovations to create the curriculum structure, learning content in accordance with the goals and desirable characteristics, and develop an effective curriculum structure management model to suit the subject matter. Curriculum

relearning provides teachers with the information they need to develop school curriculum and provide teacher training, and to develop knowledge of technology related to curriculum preparation and appropriate curriculum implementation while maintaining the uniqueness of Thai traditional medicine wisdom. In this article, we will study the effectiveness of innovation in teaching and learning Thai traditional medicine in the era of new way of life to reflect on the course and development of situations that occur under the new circumstances on the effectiveness of the teaching management and the measurement of the teaching and learning of the curriculum in the future.

II. INNOVATION IN NEW NORMAL

Executive interview teachers who teach Thai traditional medicine and academics in Buddhist education administration consisted of 1) Evaluation via online system, 2) Evaluation via online system, 3) Online learning resources, and details of the analysis results can be shown as follows.

1) An application for teaching and learning through online systems.

In teaching and learning with innovation in new normal from the management interview Thai traditional medicine teachers and academics in Buddhist administration. The results appear as follows.

"There is a necessity in the New Normal era that brings applications to manage teaching and learning and can also be developed in teaching and learning to be effective in terms of theoretical learning as for the use of an online assessment system, it is considered an appropriate use of innovation

because measurement and evaluation via online system convenient and fast it also saves time and resources in various fields as well and also in line with the status of the COVID-19 epidemic make learning uninterrupted lose learning opportunities and can also be developed in teaching and learning to be effective as well. Because Thai traditional medicine is related to teaching and learning that requires both physical and mental to fuse the teaching system because it is considered a high-class profession because it involves the maintenance of human life. "[2]

"At present, educational applications is playing an important role in teaching and learning students. In addition, the Thai government has a policy to promote the use of modern media (NewMedia) in developing the learning of students and students. Organizing online learning in the digital age. It is an educational innovation that changing the traditional way of learning to learning that uses advanced technology for teaching and learning effective online which will result in learners achieving learning outcomes according to the objectives which online teaching consists of elements such as instructors, learners, content, learning materials and learning process resources manage learning communication system information technology network system; measurement and evaluation; there are various methods of teaching and learning to allow teachers and learners to interact together; consideration of elements and forms that are consistent and suitable for the course characteristics; and the context of the learners will lead to online learning management that can be used to manage learning from learning - measuring and evaluating effectively. Therefore, teaching and learning through applications. It can be very useful and creates great learning value as most of the students can access information easily through their smartphone operating system mobile phones or Android" [3].

"It is necessary due to teaching and learning measurement and evaluation through an application system and teaching and learning that teaches students to integrate knowledge that exists everywhere in the world creatively. Let students use technology to learn by themselves. Dare to think and dare to be wrong, but all of them still have to be within the framework that society wants or can accept."[4]

"Innovation can be applied to the teaching and learning of Thai medicine very well in teaching and learning in theoretical content teaching and measuring and evaluating through the application system. It is a teaching that facilitates both teachers and students. Both parties can arrange the time appropriately and can facilitate the matter of unlimited time and place. And it also saves in terms of resources. But there are also disadvantages of student interest. If the study will be effective if the students must pay attention in that class seriously. It is necessary because teaching and learning through an application system. It is a teaching that teaches students to be convenient. does not specify where able to plan teaching time continually and can continue to develop the teaching and learning of Thai traditional medicine in terms of theoretical learning to be modern and more acceptable but learning Thai traditional medicine requires practical learning. Online learning is not suitable for practical learning but may be used as a review in some cases." [5]

"At present, applications play a greater role in daily life. In the matter of teaching is the same. But for the Thai traditional medicine community, it is necessary to bring the app has made a pretty good contribution to the teaching of theory because in response to the conditions of the COVID-19 epidemic. In the viewpoint of Thai traditional medicine, it still has to adhere to the principle of practice. Therefore, teaching and learning should be divided into 40% theory and 60% practical, including measurement and evaluation can be done at a satisfactory level but must be honest with yourself if it is a test and evaluation. The kind that are not in the classroom." [6]

"It's very important regarding online teaching and learning in the COVID-19 situation. If there is no teaching and learning, the teaching and learning system will be interrupted."[7]

"Good Thai traditional medicine should be taught in both theoretical and practical classes because online learning is used only when necessary. Online teaching, teachers should have teaching techniques and teaching materials must be updated all the time, but must accurately refer to Thai traditional medical scriptures, and in teaching and learning, the atmosphere must be created. In learning with questions and answers, including the location of the instructor should be in a ready atmosphere no noise during teaching including the environment while teaching should have a suitable atmosphere as well. "[8]

From interviews on ways to apply innovation in new normal to use in teaching and learning management resulting in findings on how to manage learning Thai traditional medicine through various application systems whether teaching and learning through Google meet, Zoom, Facebook can be applied to the teaching of Thai traditional medicine as well and can also plan operations, set goals or objectives, and have a participatory meeting both teachers and students. This will result in learners to achieve learning outcomes according to the objectives that online teaching consists of: instructors, learners, content, learning materials, and learning process resources manage learning communication system information technology network system; measurement and evaluation; there are various methods of teaching and learning to allow teachers and learners to interact together; consideration of elements and forms that are consistent and suitable for the course characteristics; and the context of the learners will lead to Efficient online learning management.

2) e-Book Thai Traditional Medicine

The introduction of innovation in the new way of life in the form of electronic books, also known as e-Books, has played a role in teaching and learning through application systems from the management interview Thai traditional medicine teachers and academics in Buddhist administration. The results appear as follows.

"It is important and necessary for teaching and learning in the New Normal era. The learners can learn and practice by themselves without any restrictions on time and place makes it convenient to search for information in studying continuously and also easy to carry and store save storage space research Easy to store and last a long time." [9]

"e-Book has come to be important to people's lives nowadays because it is considered a matter of media innovation in terms of books that change from paper to placement of books through various application platforms that are available in a variety of ways, e-Books can be stored

in the cloud or onedrive that can be downloaded at any time. without fear of the book's database being lost and can also be used to teach with a large number of people quickly and easily It can also be shared in an unlimited number."[10]

"The e-book has been recognized as another important mechanism that has features to support and promote the learning efficiency of learners independently helps to access a variety of knowledge sources. Fast and able to learn at your own pace which these media tend to get more and more attention. The use of electronic media (e-Book) in Thai traditional medicine. It is considered to be absolutely essential that the author or the broadcaster is able to send information about the academic content of Thai traditional medicine with ease and can be recorded as a guide for implementation as well."[11]

"Learning has equal access to knowledge have a standard create more acceptance E-books can always be reviewed when there is free time due to its portability because it is placed through the platfrom network system, electronic books can connect to different parts of the book, various websites, as well as interact and interact with students as well." [12]

"Managing books online is very important in today's world and is appropriate and in line with the COVID-19 epidemic situation. It is a change that perfectly responds to technology."[13]

"Needed to study and facilitating students to search for information and also to store books or textbooks as well. At present, medicine textbooks or medical scriptures or Thai traditional medical scriptures began to disappear and deteriorate over time. If those books are placed on the Application in the form of an e-Book, it is considered to preserve Thai traditional medical knowledge from being lost. If it is made into an electronic book, it is regarded as the preservation of traditional Thai medical textbooks as a legacy of Thai traditional medicine to continue."[14]

"Having an e-Book on Thai traditional medicine is a good thing. But studying in sector (a) is difficult because most of them are old people and not up-to-date in technology causing delays in teaching and learning and most of the elderly will not like the matter of download applications. The advantage of having an e-book is the convenience of not having to carry multiple books in each lesson save space for storing various data. In the same place, easy to search for various stories if needed with the elderly. There should be a close introduction. and provide continuous advice to take full advantage of it." [15]

3) Online learning resources

"Learning resources Thai traditional medicine online, it was very important in new normal, but the important thing that is, having to experience real medicinal plants directly and practicing with teachers who are experts in each field of Thai traditional medicine." [16]

"Online learning resources is very important in modern times because everything runs through the internet system and applications that are easy to access and convenient, fast, no hassle. Again, it also helps in the matter of researching information and reference sources that are standardized easily, but at the beginning, it may be recommended to students before starting to use it. In the case that the learner is an elderly person." [17]

"It is very important because with advanced technology and with the situation of the COVID-19 epidemic which is the cornerstone of a sudden change in the educational system thus requiring the use of communication technology to help in teaching and learning Information groups must be clearly categorized in the database for easy searching for information on various fields convenient and hassle-free." [18]

"Teaching Thai Traditional Medicine, it is necessary to continually emphasize the principles of practice. For online learning resources, it is a necessity next to practice. It is necessary to practice continuously until gaining knowledge and expertise before going to various learning sources. Which, if not practiced, will cause misunderstanding or may cause mistakes, damage in the actual practice as well. "[19]

Applications used in teaching that are not too difficult Can be easily accessed, not too complicated. The teaching content is consistent with the curriculum of the Thai Traditional Medical Council makes teachers and learners gain knowledge and skills in using innovation in teaching and learning, able to plan operations set goals or objectives, have a participatory meeting both teachers and students along with being able to provide appropriate and able to facilitate in terms of unlimited time and place. It also saves resources in many ways, causing interaction between teachers and students as if learning in the classroom resulting in continuous teaching in the situation of the COVID-19 epidemic and also created an electronic book, known as an e-book of Thai traditional medicine and it also preserves textbooks in the application, which is very useful, for example, you don't have to carry around, what subject you want to study, when you can open it in any situation. Moreover, it also protects the book from being damaged as well as searching for information. It can be more convenient and faster to answer the plaintiff. "Education and learning without borders in new normal"

III. THE PROSESS OF TEACHING THAI TRADITIONAL MEDICINCE

1) Curriculum

"It is necessary to study the form and standards for developing contents into platforms that are open for service appropriately correct for teaching due to Thai traditional medicine is a body of specialized knowledge. Therefore, the curriculum should be studied in accordance with and suitable for the teaching and learning of Thai traditional medicine." [20]

"With the rapid growth of internet networks and digital technology, websites are regarded as a powerful and efficient tool with a flexible tool spread all over the world flexible in learning management especially distance learning (Taylor, 2014). Online teaching is similar to classroom teaching in that teachers must provide students with activities and learning experiences based on the curriculum available and improve accordingly good teaching. Students and teachers should interact with each other. Therefore, the Thai traditional medicine course don't have to study only in the classroom, we can expand the online teaching model that can be coupled with for students to study the lesson content as well as organizing teaching and learning activities with regard to learners as important. Worathan Technology explained that online learning is another form of educational innovation which can change the way of learning in the old way into a

new way of learning that uses technology to help teach. In addition, another meaning also means distance learning, high quality interaction without the need to travel Convenience and quick access anytime, anywhere, creating lifelong education for the population and also to spread the basic knowledge of Thai traditional medicine to people who are interested even more."[21]

"In new normal, how many digital systems and online systems are necessary? The concept of Thai traditional medicine courses today may be developed online courses such as online midwifery courses. Thai Pharmacy Online Thai Medicine Online, it's the New Normal era, about 80 percent, and universities have developed non-credit short-term courses."[22]

"It is very necessary, courses should be placed online to be the standard. The way of learning must not be complicated until it happens to be easy and convenient for teachers, students, create online media, YouTube channels, Tik Tok, Facebook, IG, all the ways that students can easily access media can be stored for a long time can be reproduced in the next generation." [23]

2) Teaching and Learning

"It is of great importance and teachers must bring samples of herbs to be displayed for students to study and learn and including teaching equipment must be ready. If it is not ready, teaching may be interrupted or interrupted." [24]

"Teachers' knowledge transfer skills are extremely important. It can be summarized as follows: 1) Skills in using technology for education and creativity, 2) Diversified communication skills, 3) Management skills and arrange flexible but effective study time, 4) Problem solving and critical thinking skills, and 5) Assessment skills and provide quality and appropriate advice. Therefore, in order to manage online teaching effectively and have better results, it was found that there were 8 methods of teaching online to be effective and effective as follows: 1) Set clear guidelines. Online learning gives students more freedom clear for students both in accessing the teacher's online teaching, such as learning tools, download sources of study materials including teaching timetable including the expectations that students will receive, such as doing exercises or quizzes. Participation in online classrooms, etc. 2) Design interesting teaching, learning motivation and participation are important in both the one-on-one teaching style or online teaching. Therefore, to make students more focused while studying online. Teachers need to analyze the needs of the learners to design learning content as well as finding learning activities and appropriate technical solutions use creative teaching techniques to improve your teaching experience. Good learning for students. 3) Choose appropriate teaching tools, online communication tools are indispensable in building an online classroom. A good teaching tool will help a teacher teach online smoothly, for example some software has a forum teaching document display including teaching recordings all together. 4) Encourage students to work together online, encourage students to communicate while studying online by having them work on projects or assign tasks to do together through forums or online meetings. It will help learners to communicate each other and feel like they are in a real classroom. This is considered to create good participation as well. 5) Take advantage of both group and individual work. A good mix of group work and solo work is a good way to go to ensure that learning Online is a success. This versatile learning style enhances students' learning abilities and teaches them the importance of achieving group work and building goals, personal success. 6) Use the available resources because students use computers mobile phones, tablets and the internet to access. The classroom is already online, the best and easiest resource for them is in the online world, educators may ask them to search for relevant information on various websites instead of references from textbooks. 7) Teaching is closed. It's a good way to close the lesson with students summarizing or evaluating which will help students reflect on what you learn and allow students to reflect on the content and share experiences to make everyone realize. 8) Giving Students Feedback, during week 2 or 3, teachers should seek direct feedback from students about what happened, and should have students comment to cover everything since the content to how to teach and what needs to be improved Students may also be asked to post comments on a dedicated feedback board [25].

"It is necessary that teaching and learning must be in accordance with the curriculum laid down by the Thai Traditional Medicine Council, and Thai traditional medicine must focus on learning theory into practice. Learning theory is no less important than practice but need to focus more on practice than on theory written that will be outlined as a standard but for the current situation it is very necessary due to the epidemic situation. This makes it necessary to teach online but back to normal Thai traditional medicine is more suitable for on-site learning."[26]

3) Teaching Media

"It is absolutely necessary including medicinal plants must be developed as a teaching medium for students to learn more clearly what is important to take students to the production site or the actual place seeing the real thing will make teaching online more effective." [27]

"It is very important and necessary in organizing teaching and learning activities in modern Thai traditional medicine. Digital media is very important and necessary. Teachers must plan the learning activities together with the production and use of learning materials which guidelines for the development of learning media 1) Analyze the objectives and content, 2) Analyze the learning activities that are consistent with the objectives and content, 3) Design the learner-centered learning activities. The nature of the activities should be considered as follows: 1) learners must act with alertness, 2) provide opportunities for learners to study Research from various learning sources, 3). Give students the opportunity to be free to think and solve problems. or develop a work piece or project or work in groups, 4) Analyze the above-mentioned learning activities. What types of learning materials are needed to help make it easier to understand concepts? By focusing on activities that go through the process that students have to do to find answers self-understanding or reflecting the student-centered emphasis. 5) Prepare learning media may be produced again or improved from the original May be in the form of experimental set, activity set, publications such as documents, textbooks, journals, Information technology such as the Internet, e-Learning, Multimedia, Web-based learning, natural learning resources. Other learning resources are used in accordance

with the learning activities plan by preparing for various aspects such as learners, teachers, places and facilities. Media evaluation by considering the productivity assessment, ie, assessing the quality of the learning materials; through various experts including content, design, learning activities, media, and evaluation. Assess usage context to determine the appropriate context for effective use of learning materials in real-world situations, for example, the number of members of the group that were most effective in problem solving activities using web-based learning was assessed in terms of opinions, attitude towards learning from learning materials assessed on ability (Performance) of the learner. The ability of the learner is assessed by the actions that are directly expressed in the performance of a particular area of work which is the real condition or close to the real condition, give students the opportunity to solve problems or actual work may be assessed from work processes, cognitive processes, especially high-level thinking (higher-order thinking) including analytical thinking critical thinking creative thinking rational thinking, etc., may also assess work processes such as problem solving processes. 5) Assessment of academic achievement, development of learning materials to keep up with the times will create knowledge and understanding for students and encourage that learning more effective as well." [28]

"The concept of media development must be consistent with changing lifestyles (new normal), such as the use of technology use of communication equipment. The use of communication channels through all forms of social networks, especially Line, Facebook, Tok-tok and due to the COVID-19 epidemic situation. As a result, human lifestyle behavior has changed." [29]

"It is very necessary to manage teaching and learning through the online system. The media must be very focused. Because if the media is clear, teaching will be more effective than teaching as if listening to lectures alone. However, Thai traditional medicine must be taught at the same time both online and on-site to get the best results." [30]

"Necessary media for teaching and learning, it must be easy to access and not complicated. The pattern must be clear easy to understand and meet the principles of teaching Thai traditional medicine, whether it is an e-Book, E-Leaning, DVD, various online formats, must be ready." [31]

4) Measurement – Evaluation

"It is very necessary in the era of the new lifestyle base to have a digital teaching system and an online system should be measured and evaluated via online system from the theory and from the students' hands-on action from the actual work, but Thai traditional medicine focuses more on principles of practice. Therefore, the appropriateness of the assessment through the online system of the theory is more appropriate." [32]

"Currently, Thai traditional medicine plays a very important role in the country's public health system, especially. In the 11th National Economic and Social Development Plan (2012-2016), more emphasis was placed on Thai traditional medicine in order to cover and give people more access to services to enhance the well-being and health of the people. The Department of Development of Thai Traditional and Alternative Medicine has prescribed the protection of Thai wisdom, promoting and supporting

research, strengthening network partners, both the public and private sectors and the public sector to develop laws improve management empowering and develop a service system for Thai traditional medicine the evaluation method The CIPP Model should be assessed in four assessments as follows: 1) Assess the context of the concordance of various factors as follows: - Objectives - Curriculum structure - Curriculum content. 2) Utilization and modernization of The following factors are: - Course objectives - Duration - Instructors - Inter-learning activities - Up-to-date - Learning support. 3) Evaluate the process of conformity and appropriateness of the following factors: - Teaching and learning management - Measuring and Evaluation – Consulting. 4) Evaluate the output of the curriculum as follows: - The quality of learners according to the framework of qualifications standards that level - the identity of the learner according to the teaching and learning institutions." [33]

"Evaluation is very necessary because it is one that can be used as an indicator of efficiency and effectiveness in teaching and learning. It has been used for a long time in conjunction with the Thai education system. But if asked about the digital system in the evaluation. Currently, the system is still lacking is that there should be a real time assessment system or a more efficient assessment such as asking and answering." [34]

"Methods or concepts for measuring and evaluating Thai traditional medicine learning in the new lifestyle base era to be digital and online use subjective and online exams and before graduation, there is an intensive analysis and evaluation in the course that is a project or research seminar to measure the knowledge, understanding, and opinions of the learners." [35]

Management of teaching and learning Thai traditional medicine in terms of the curriculum, it should be mocked according to the standards of the Thai Traditional Medicine Council that have laid out the curriculum to increase the efficiency and effectiveness of teaching as well as the need to study the pattern and standards for developing contents into platforms that are open for service appropriately correct for teaching due to Thai traditional medicine is a body of specialized knowledge. Therefore, the curriculum should be laid out in accordance with and appropriate for teaching. There should be a trial study before it is actually used. In various media such as YouTube media, edited to be attractive, insert images clearly. The power point increases clarity during teaching, and create a channel for students to access and be able to collect and review. Teaching should be clear and accurate according to Thai traditional medicine textbooks. The information is constantly updated. In terms of evaluation results, there should be an evaluation measure before learning after learning because the assessment is the overview of all learning. Before graduating, there is an intensive analysis and evaluation in the course that is a seminar, project or research to measure knowledge, understanding, and opinions of learners.

IV. THE EFFECTIVENESS OF TEACHING AND LEARNING MANAGEMENT INNOVATION

1) Academic Achievement

"Current teaching management focusing on Active Learning, therefore, is a learning management process based on the concept of intellectual creativity (Constructivism) that emphasizes the learning process rather than the subject content to help learners to connect knowledge or create knowledge in one's own by putting into practice through media or learning activities with teachers to guide, motivate or facilitate. Let the students learn by advanced thinking process. That is, learners analyze, synthesize, and assess what they gain from learning activities, make learning meaningful and apply it effectively in other situations. The roles of the instructors in organizing learning activities according to the Active Learning approach are as follows: place the learners at the center of teaching and learning. The activities must reflect the needs of learners' development and emphasize their practical application in real life." [36]

"It's a huge achievement. Teaching and learning management that goes hand in hand with practice through actual practice Teaching in all aspects. This course content will be effective and effective." [37]

"Analysis of student needs and synthesize teaching content to meet the needs of learners. The achievement of innovation in teaching and learning in the new lifestyle base era to be effective in teaching and learning management a standardized format is required both the content Course structure and in terms of measuring and evaluating learning outcomes" [38].

"Study results of Thai traditional medicine, the results from the theoretical study will be more than the practical one. However, it is considered as a foundation for learning based on a new way of life as well. But, there must be instructions for teaching and the procedure for admission clearly not too difficult and the issuing of certain regulations, such as having to attend every class, having a question-and-answer session, opening the camera continuous attendance and serious attention will be truly successful in teaching and learning." [39]

"In view of the teaching and learning outcomes of Thai traditional medicine, there must be a combination of two learning methods, both theory and practice. Repeat and repeat until you become proficient. The obvious outcome is that the theoretical learning outcome is more appropriate. Because of the various applications which is used is considered useful to all circles. If used, use it proficiently and use it until skillful will bring about fruitful results." [40]

"The teaching achievement of Thai traditional medicine is to pass the professional license exam. It is a teaching and learning achievement according to the standards set by the Thai Traditional Medicine Council. Suitable for studying theory But we can collect various information in the application. For storage and retrieval, it will be easy convenient and fast, but the practice requires serious practice under teachers as well because Thai traditional medicine is a body of knowledge that is related to human life, therefore, it must be treated properly, properly, and in accordance with the ethics of Thai traditional medicine." [41]

2) Satisfaction

"It is effective in teaching and learning at a high level because of teaching and learning in the new life-based era. It is necessary to motivate students to be interested in learning and result in learning achievements." [42]

"From the observation of students who use the online teaching system many people like it because it is convenient to study. Study anywhere, anytime and study with no time limit if teaching is recorded. Students will be able to repeat the course according to their own needs. But the practice still requires on-site attendance because it is a subject that must be learned directly from the teacher and must undergo training and testing until proficiency is acquired." [43]

"Good level of satisfaction, it's about the learning factor. What is noticeable is the range of study time in each period duration of study and applications used for online teaching. If there is an adjustment to the study period, duration and study system. It will result in the level of satisfaction of students studying online is very high. With the situation of the COVID-19 epidemic, it was found that teaching and learning through online system is considered to meet the demands of Thai traditional medicine very much because the teaching is uninterrupted. However, there must be a study and research of applications that will be used in teaching and learning appropriately and must be adjusted to keep up with the situation that will occur. From the start, you have to open your mind from both the institute's executives teachers first After that, it begins with the learners or students step by step, but in a normal situation, it should go back to online classes." [44]

3) Utilization

"There is a need for integration with other sciences for diversity, and it is beneficial to be applied effectively in conjunction with other sciences by providing an integration between knowledge, process and practice harmonious integration between subjects Integration between learning and real life integrated to manage redundancy of various contents."[45]

"Very helpful, to be used in the teaching and learning system and applied in daily life because it makes us understand the innovation of a modern and fast communication system." [46]

"Useful in a fundamental way various applications who have learned to make adjustments in life to be equal to other professions. It is necessary to adhere to the principles of Thai traditional medicine by using technology to help collect data or research additional information."[47]

"The Thai traditional medicine curriculum must be adjusted to match the new way of life. Thai traditional medicine curriculum must be improved, and keep up with the era with digital systems and online systems able to truly learn and understand." [48]

4) Professional Development

"It provides opportunities for people with specific expertise to teach in online media, to think, analyze and organize discussions in the room to create diversity to the development and access to academic principles into real practice Obvious access to Thai traditional medicine will be easy to apply to various professions easily by adhering to the principles of traditional Thai medicine and bringing other professional lines to complete. The body of Thai traditional

knowledge can be used as a model for further development. If a teaching system is used through innovations or various applications as a basis, after graduation and taking a professional certification exam, knowledge can be extended through various network systems in a career" [49].

"All branches of Thai traditional medicine have been synthesized with great efficiency and effectiveness will cause innovation. In today's era, students can use it to expand their business." [50]

"To improve people's well-being and health, the Department of Development of Thai Traditional and Alternative Medicine has prescribed the protection of Thai wisdom, promoting and supporting research and strengthening network partners in both the government, the private sector, and the people's sector to develop laws improve management empowering and develop a service system for Thai traditional medicine. The 11th National Economic and Social Development Plan (2012-2016) has given more importance to Thai traditional medicine in order to cover and give people more access to services." [51]

"It can be further developed with the body of knowledge of Thai traditional medicine and is necessary for teaching and learning Thai traditional medicine. It is a learning that requires training that is passed on from teachers or passed on from generation to generation, also known as ancestors, but will be used in combination with technology should be learned and practiced until a true understanding also known as "Knowledge" and study innovation through various applications to combine perfectly in the development of Thai traditional medical professions in order to be able to continue to expand the body of knowledge in both public interest and business seamlessly." [52]

CONCLUSION

Teaching management at present focusing on active learning, therefore, is a learning management process based on the concept of intellectual creativity (Constructivism) that emphasizes the learning process rather than the subject content to help learners to connect knowledge or create knowledge in one's own. The results of teaching and learning Thai traditional medicine is to pass the professional license exam according to the standards of the Thai Traditional Medical Council Thai traditional medicine is a body of knowledge related to human life. Therefore, it must be treated properly, properly and in accordance with the ethics of Thai traditional medicine as well. Student satisfaction with online learning. The average weight of the theory and practice teaching is 40% - 60% satisfaction. Most students are satisfied with online learning in theory. On the practical side, there is still a need for on-site learning because they want to practice with teachers directly. The utilization aspect is considered learning online during the COVID-19 pandemic. That is to try and study various applications. To some extent, so it can be used for daily life as well. In the field of professional development, the opportunity for experts to guide, think, analyze, lead to further development for further career development by working in combination with other disciplines in order to be able to continue to expand the body of knowledge in both public interest and business seamlessly.

REFERENCES

[1] Thawan Masacharat, Educational Innovations in Teaching and Learning Document Set, 2nd Edition, (Bangkok: Than Aksorn Publishing Co., Ltd., 2013), page 4.

[2] Interview with Asst. Prof. Dr. Phramaha Sombat Thanapanyo, lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[3] Interview with Phramaha Suchaikon Sitthimethee Alakul, Assistant Abbot and Student Office Secretary, Wat Prayurawongsawat, Thonburi District, Bangkok, 12 August 2022.

[4] Interview Interview with Mr. Apichart Rodniyom, Computer Academician, Information Technology Division. Mahachulalongkornrajavidyalaya University, 23 August 2022.

[5] Interview with Ms. Khwanta Udomrak, , Director of the Thai Traditional Medicine Clinic, Aromatherapy Clinic, 12 August 2022.

[6] Interview with Mr. Kitti Leesiam, Assistant Professor, Thai Traditional Medicine Program Lecturer, Sukhothai Thammathirat Open University, 25 August 2022.

[7] Interview with Mrs. Suparat Asavaporntanapat, Director of the Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022

[8] Interview with Mr. Thonglor Tiengtham, Prof. Dr., Director of the Institute of Thai Traditional Medicine, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022

[9] Interview Interview with Mr. Apichart Rodniyom, Computer Academician, Information Technology Division. Mahachulalongkornrajavidyalaya University, 23 August 2022.

[10] Interview with Asst. Prof. Dr. Phramaha Sombat Thanapanyo, lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[11] Interview with Phramaha Suchaikon Sitthimethee Alakul, Assistant Abbot and Student Office Secretary, Prayurawongsawat Temple, Thonburi District, Bangkok, 12 August 2022.

[12] Interview with Ms. Khwanta Udomrak, Director of the Thai Traditional Medicine Clinic, Aromatherapy Clinic, 12 August 2022.

[13] Interview with Mrs. Suparat Asavaporntanapat, Director of the Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022

[14] Interview with Mr. Kitti Leesiam, Assistant Professor, Lecturer of Thai Traditional Medicine Program, Sukhothai Thammathirat Open University, 25 August 2022.

[15] Interview with Mr. Thonglor Tiengtham, Prof. Dr., Director of the Institute of Thai Traditional Medicine, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022

[16] Interview with Asst. Prof. Dr. Phramaha Sombat Thanapano, lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[17] Interview with Mrs. Suparat Asavaporntanapat, Director of the Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022.

[18] Interview with Mr. Kitti Leesiam, Assistant Professor, Lecturer of Thai Traditional Medicine Program, Sukhothai Thammathirat Open University, 25 August 2022.

[19] Interview with Mr. Thonglor Tiengtham, Prof. Dr., Director of the Institute of Thai Traditional Medicine, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022.

[20] Interview Interview with Mr. Apichart Rodniyom, Computer Academician, Information Technology Division. Mahachulalongkornrajavidyalaya University, 23 August 2022.

[21] Interview with Phramaha Suchaikon Sitthimethee Alakul, Assistant Abbot and Student Office Secretary, Prayurawongsawat Temple, Thonburi District, Bangkok, 12 August 2022.

[22] Interview with Mr. Ekapol Sangsri, Dr. Dr., Department of Marketing Faculty of Management Sciences Buriram Rajabhat University 12 August 2022.

[23] Interview with Ms. Khwanta Udomrak, Director of the Thai Traditional Medicine Clinic, Aromatherapy Clinic, 12 August 2022.

[24] Interview with Asst. Prof. Dr. Phramaha Sombat Thanapano, lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[25] Interview with Phramaha Suchaikon Sitthimethee Alakul, assistant abbot and secretary of the student office, Wat Prayurawongsawat, Thonburi District, Bangkok, 12 August 2022.

[26] Interview with Mr. Pichet Lerttamasak, Director of the Thai Traditional Medicine Doctor Clinic Training Institute, 12 August 2022.

[27] Interview with Asst. Prof. Dr. Phramaha Sombat Thanapanyo, lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[28] Interview with Phramaha Suchaikon Sitthimethee Alakul, Assistant Abbot and Student Office Secretary, Prayurawongsawat Temple, Thonburi District, Bangkok, 12 August 2022.

[29] Interview with Mrs. Suparat Asawaporntanapat, Director of the Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022.

[30] Interview with Mr. Thonglor Tiengtham, Prof. Dr., Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022.

[31] Interview with Mr. Kitti Leesiam, Assistant Professor, Lecturer of Thai Traditional Medicine Program, Sukhothai Thammathirat Open University, 25 August 2022.

[32] Interview with Asst. Prof. Dr. Phramahasombat Thanapano, lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[33] Interview with Phramaha Suchaikon Sitthimetee Alakul, Assistant Abbot and Student Office Secretary, Prayurawongsawat Temple, Thonburi District, Bangkok, 12 August 2022.

[34] Interview with Mr. Ekaphol Sangsri, Dr. Dr., Department of Marketing Faculty of Management Sciences Buriram Rajabhat University 12 August 2021

[35] Interview with Mrs. Suparat Asavaporntanapat, Director of the Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022

[36] Interview with Phramaha Suchaikon Sitthimethee Alakul, Assistant Abbot and Student Office Secretary, Prayurawongsawat Temple, Thonburi District, Bangkok, 12 August 2022.

[37] Interview with Asst. Prof. Dr. Phramaha Sombat Thanapanyo, lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[38] Interview with Mr. Apichart Rodniyom, Computer Academician, Information Technology Division Mahachulalongkornrajavidyalaya University, 23 August 2022

[39] Interview with Mr. Kitti Leesiam, Assistant Professor, Lecturer of Thai Traditional Medicine Program, Sukhothai Thammathirat Open University, 25 August 2022.

[40] Interview with Mr. Pichet Lertthammasak, Director of Training Institute, Morpha Clinic in Thai Traditional Medicine, 12 August 2022.

[41] Interview with Mr. Thonglor Tiengtham, Prof. Dr., Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences Pathumthani University, 17 August 2022

[42] Interview with Ms. Suparat Asawapornthanaphat, Director of Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022

[43] Interview with Ms. Kwanta Udomrak, Clinical Director of Thai Traditional Medicine, Clinical Medicine, 12 August 2022.

[44] Interview with Mr. Kitti Leesiam, Assistant Professor, Lecturer of Thai Traditional Medicine Program, Sukhothai Thammathirat Open University, 25 August 2022.

[45] Interview with Phramaha Suchaikon Sitthimethi Alakul, Assistant Abbot and Secretary of the Student Office, Wat Prayurawongsawas, Thonburi District, Bangkok, 12 August 2022.

[46] Interview with Ms. Kwanta Udomrak, Clinic Director of Thai Traditional Medicine, Clinical Medicine, 12 August 2022.

[47] Interview with Ms. Suparat Asawapornthanaphat, Director of Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences. Pathumthani University, 17 August 2022

[48] Interview with Asst. Prof. Dr. Phramahasombat Thanapano, Lecturer in charge of the D.D. Program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[49] Interview with Ms. Kwanta Udomrak, Clinical Director of Thai Traditional Medicine, Clinical Medicine, 12 August 2022.

[50] Interview with Asst. Prof. Dr. Phramahasombat Thanapano, Lecturer in charge of the D.D. program, Mahachulalongkornrajavidyalaya University, 10 August 2022.

[51] Interview with Phramaha Suchaikon Sitthimethi Alakul, Assistant Abbot and Secretary of the Student Office, Wat Prayurawongsawas, Thonburi District, Bangkok, 12 August 2022.

[52] Interview with Mr. Thonglor Tiengtham, Prof. Dr., Master of Thai Traditional Medicine Program, Faculty of Allied Health Sciences Pathumthani University, 17 August 2022.