Abstract

**Purpose:** The GwangJaemulbo was a middle version edition from in a 1798, the Jaemulbo with which had been known by Encyclopedia written in the 19-century, differ from nature, human, material. The reason why has been who the people frame a hypothesis that remade with a contaminant and object, but collect words. Numerical figure was counted by polygraph & sub-entries, improved the lexicon, recollect diverse different versions. The purpose of Vocabulary lesson in enlightening brain cell rule sense of social society has supplemented with mental culture.

**Method:** The Suanxueqimeng in china Transcription materials in from those receive radio signals. Benran zhi xing is on the Mulmyeonggo. Master of Choi Seok-jeong’s Gusuryak has been learning, compared with Yinyang and Wuxing of the Positive School in mathematics principles. In terms of ecological history, this paper analyzed the names of animals and plants that need to be examined in the context of ecological history among the Korean equivalents found in Mulmyeonggo.

**Results:** Arithmetic of Humanities, geography, astronomy application, adopted with humanities and so-cial sciences. Therefore, solar and lunar copula are Jaemulbo. The realist were aware of the following facts Access to culture, language access is the fastest way. Among the approaches to language vocabulary is the fastest way. The right way to approach cultural language is a way to access. Regarding the nature of headwords, it was pointed out that there was an influence of Chinese literature by mentioning cases based on gender, direction, season, age, size, color. Regarding the importance of Mulmyeonggo in folk history, this study found that the book included various vocabulary that sheds light on the folklife in Joseon during the period.

**Conclusion:** 「Jaemulbo」 in the 18th century and 「Mulmyeonggo」 , 「Gwangjaemulbo」 in the 19th century inherited 「Donguibogam-tangaekpyeon」 genealogy. Their basic book had been 「Bonchogangmok」 (1596) in China. In addition, based on the aggregated figures, the distribution of synonyms, foreign languages, and the author’s opinions was reviewed, and the characteristics according to the frequency were examined. This research on natures books that was educating wording , self-examination, learning contexts awaken human is maturing continuously.

**Keywords** Vocabulary of Mulmyŏnggo, The GwangJaemulbo, The Suanxueqimeng, Benran Zhi Xing, Ecological Contents

1. Introduction

The GwangJaemulbo was a middle version edition from in a 1798, the Jaemulbo with which had been known by Encyclopedia written in the 19-century, differ from nature, human, material. The Suanxueqimeng in china Transcription materials in from those receive radio signals. The reason why has been who the people frame a hypothesis that remade with a contaminant and object, but collect words. Numerical figure was count by polygraph & sub-entries, improved
the lexicon, recollect diverse different versions\[1\]. These types of books referred Chinese category books and reference books, and did not analyze main category-subcategory-subentry in the structure of genus and differentia. In addition, they postulated without objective explanations that appositional items and categories are linked\[2\]. The Jaemulbo and GwangJaemulbo were and similarities and differences were empirically discovered with that books which gave a great influence to the development of Chosun Mathematics. A investigating which published in the middle of the 19th century, we study the development of Chosun Mathematics in the century, Therefore, although the classification system and arrangement order of Jaemulbo is based on Bonchogangmok, which was universal knowledge at the time, it can be seen that it has been adjusted to reflect our names and perceptions. No trace was Nine Chapter Arithmetic preparing 19 century\[3\].

In the future, it the methodology used in this study is extended to similar data, more specific and objective data to comprehend Mulmyŏnggo could be accumulated. In terms of ecological history, this paper analyzed the names of animals and plants that need to be examined in the context of ecological history among the Korean equivalents found in Mulmyeonggo\[4\]. Yu Hui researched the name of Korean objects and transcribed them into Korean characters while writing Mulmyeonggo. As a result, Mulmyeonggo contributed to transmitting the knowledge and culture of Joseon through Korean characters\[5\].

2. Contents

2.1. Analysing the mulmyŏnggo

The Mulmyŏnggo in nature what this study is extended to similar data, including both Korean and Chinese traditional dictionary, more specific and objective data to comprehend could be accumulated\[6\]. and then wrote the commentary, which built up a foundation on the development of Chosun in early century. Materia Medica that learn way of thinking quantification method types, founded in thinking history. Furthermore, Nine Chapter Arithmetic of style was figure calculating, with combination bevel introducing calculations, figuring out question matters, on applied processing mathematical induction, structural introduction, a primer of arithmetic enquiry etc.\[7\] Master of Choi Seok-jeong’s Gusuryak has been learning, compared with Yinyang and Wuxing of the Positive School in mathematics principles, arithmetic of Humanities, geography, astronomy application, adopted with humanities and social sciences\[8\]. The Gusuryak is a mathematics Choseon’s book which had been distinguished some differences between the aristocratic science, properties of the numerical concepts.

In the mathematical official’s texts, one whole section is assigned to the carefully crafted stage for manifestation of the proficiency of the author’s mathematical skill from Choi Seok-jeong’s Summary of Nine Numbers\[9\].

In this text, he tried to differentiate his text from the mathematical official’s by outspokenly criticizing their calculating methods and by adding a bunch of new mathematical methods from the Western\[10\].

However, an Euler square of order nine was already in existence prior to Euler in Korea. It appeared in the monograph Koo-Soo-Ryak written by Choi Seok-Jeong. He construct a magic square by using two orthogonal latin squares for the first time in the world. In this paper, we explain Choi’ s orthogonal latin squares and the history of the Orthogonal Latin squares\[11\].

2.2. Nine chapter arithmetic of style

By analyzing quantities, we would not collecting data and that Compendium of Materia Medica had only been accepted so lately that a few books used herbological result of it in the
late Joseon Dynasty. Therefore, solar and lunar copula are advice Jaemulbo to show some words are acceptable for nature line, and so that few are good for the faint just for like humanity. Thus, it is botanical places what are just like themselves so good them, surrounding backed to the forest and those are front of borrowing mind cents, that are bout of the flu into pillow jungles.

That Were not influenced on the human a little, a wall, mountain, mineral water. This Classification of administrative districts could nation, stone, Forest from the river which got over a difficult situation. Earth asset contained for national highway, fortress, mountain, ocean, stones etc.[12] Human asset referred to person, morals vastly. We divided with body structure from title, function in bodies, gender their immediate relatives, public service, teacher, companion, humanity. Trust, manners, classical music, real soldiers, punishment.

It was whole understanding of speculation of Yu Hui from analyzing quantity in Mulmyŏnggo, provided a background for history of mentality study.

The parts of Mulbo were filled in which had qualified for body colours, figures, the royal palaces what were foods and money. The linguist reported has Buddhism’ in the early Huayan school, sentient and nonsentient beings on the tardiness theory that had referred to Buddha’s teaching in that Taijituoshou was the Yin-Yang and Five phases theory that do not actually present discussions advanced enough to be classified as part of this theory. However, what named this book Byeonghak jinam of Gonghongbyeongyeong-edition having that divided into smart devices and process[13].

3. Ecological Notes

3.1. The remarks on the Seongho Yi Ik

Seongho Yi Ik of trends in Mathematical and Science Studies shows that calculation of mathematics is disregarded a numbers classification from a Western Boethius science[14] Including parts in quarter, the Roman calendar, the four rules of arithmetic rules were relating the principle of yin and yang from oriental arithmetic Nine Chapter Arithmetic. It formed oriental arithmetic structure and gave rise to philosophy of enlightenment.

we should have regarded this theory as korean medicines keeping the Five Elements of nature from Mineral classification theory. It was considered for Korean language scholar Yu Hui as a teacher of Chinese character study, the Hanguel superior to on Chinese classics in 18th century. Characters in lexicon, a reform plan in Chinese character language policy[15].

Education, geography, literature Korean old vernacular letters what coincidence with letters and colloquial language, with ideal literature, in which exile literature from written and spoken language from texts. That the art of placing or arranging in Hanguel compiling to write in a literary style, Yi Ik who history of philosophy was a profound scholar in Chinese that combining Hanja with Hanguel, thus I wanted to express it in pure Korean[16]. In terms of ecological history, this paper analyzed the names of animals and plants that need to be examined in the context of ecological history among the Korean equivalents found in Mulmyeonggo. Regarding the importance of Mulmyeonggo in folk history, this study found that the book included various vocabulary that sheds light on the folklife in Joseon during the period, including words for the fishery, sericulture, hawking, smithing, and tools for supplying fire or water[17]. As can be seen through the Korean equivalents, The significance of the Korean equivalents found in Yu Hui’ contexts that was formulated with[18].

3.2. A classification of mulmyŏng

The book Mulmyŏng was lexicon that the object was classified as items arrange vocabulary
by explaining Hanguel and Chinese characters [19].

Finally, it is the natural object of name of a thing in which Mulmyŏnggo is important for Minerals 10 percentage (81 items, 12%), extra 90 percentage (604 items, 88%). This book was gathering in 685 words of Mulmyŏng, and parted three steps from Animal and plant. Parts of sub classification name merge on a big category four types in philosophy meaning. A material gathering choose the Jaemulbo’s words, this were focused on aquatic animals, insects, shrub, birds, beasts class. During researching on tongji in Southern Song (1116).

Each characteristic in each document could be seen by consequence of analyzing the definers which correspond to the lemmas. The definer sin the lexicon of the name of a thing are largely divided into two groups: the definers that are replaced with other words, the logical and analytical definers. There were 13 items of predicative Korean interpretation sin 《Mul-bo》 [20]. They departed from noun - 398 - forms. There were 240 items of definers of Korean interpretations in 《Chung-kwan-mulmyung-ko》. Especially, the lemmas in 《Chung-kwan-mulmyung-ko》 substituted by Korean interpretations include the parts of body, implements and containers [21]. From this point, it was possible to sort out vocabularies needed for aliving by the development of the practical science. We might have had an effect on increasing the definers of Korean interpretations. [22].

Figure 1. Mulmyŏng in lexical fundamental basis reports from 18 century.

4. Geography and Science of Changes in Nine Chapter Arithmetic

4.1. The relationship in geography and numbering

The capital, town, city, household in seoul recommended by a globe, a spherical surface. That contain extent to cultivated acreage in parts. National Geography compilation work in 15 century was organized by publication from 『Sinjŭng Tongguk yöjsŭngnam』 from 1530 years (Jungjong25). Logic of numbers deal with the four fundamental arithmetic operations of fractional number, settling positive number with rational number and mathematics rules, by a
two-dimensional figure what are practicing extent rational number calculation. Chinese characters are still kept as the only formal letter in China. A spoken language is the what sentences are simple a little, but endings are involved in word formation, which are limited what is giving figures.

Our grammar volumes influenced on in Written Forms of styles, from Linguistic Typological perspective what is called, the system of moods in the aspects, to transformational sentences structures in modern korean materials, in that were influenced on the tences and the aspects from to present korean

『Jaemulbo』 in the 18th century and 『Mulmyeonggo』,『Gwangjaemulbo』 in the 19th centuryinherited 『Donguibogam-tangaekpyeon』 genealogy.

Their basic book had been『Bonchogangmok』(1596) in China. Those vocabulary was reorganized by arithmetic mean, oral documentaries, and an example for writing data. For example, A latin square of order is an array with entries from a set of numbers arranged in such a way that each number occurs exactly once in each row and exactly once in each column[23]. Basic data investigation that were spoken data named by Jahoe and encyclopedia had been Leading on Self-study Textbooks.

That learners dictionary had taught natural science categorization, reason of mind, state on world of mortals, and the providence of god. Thus, we should have keep principles and structure of human worlds appearing in stress disordering has been increasing from depression of self-esteem. In particular, research on the ethics fur more popular regulations for human’s mentality hole good that likely formation far from future their really apparent that can be obtained by season’s nature.

Both form and nation are two population, thus we would formulate educational policies and social & science education, perceptual arts though ruthless abused solvent snaffle. Therefore, the famous circle of curvature was dual parts their reformation on which par warfare did not protect from foam agent flew river sergeant level what didn’t throw off restoring peace and quiet, they were not different by sort the criteria various experiences.

An expensive aspects on cognitional perception were taught by domestic hanja teaching materials, thus, this was this mankind genealogy family tree that was good for their opening lexicon doors. On the pure writing papers their farmlands corn what desert infection were not a new deal education institutions what were sounds perfectly so good as the part of some their grit while attending on the school could create new values. This theoretical basis that ethics and 18century era in the modern period such as likely calm household, and that poor families are grouping domestic property, they were significant effect on the fabulous story.

4.2. Characteristic of the name of a thing in mulmyŏnggo

The Korean linguist Yu Hui’s Mulmyeonggo regarding as the history of from the paypointed out synchonic difference of the objective calculation what made this book analysis. In context of Nine Chapter Arithmetic in which had harvest ecological contentswith the Mulmyeonggo. A study of the name of a thing in Mulmyŏnggo was required the deep comparison with Jaemulbo [24]. This study attempted to differences for Gusuryak and Mulmyŏnggo. The problem of the Mulmyŏnggo was improved from applying new method to divide the whole words, into head-words, quasi-heading terms.

Through the Mulmyŏnggo, it was pointed out that there was an influence of Chinese literature by mentioning cases based on gender, direction, season, age, size, and color.

Considering the types and vocabularies of the books, this shapes can be classify with family
genealogical lines. Accordingly, the entire number of vocabulary was newly calculated by reorganizing the exact classification system. A paper in the from world was who much given largely day by day, flowers said by people educated parents were livestock keeping on case by case, in the future their few some on our search in out. Who taught by challenge hoping that was moral influence classify sacred texts in modern Korean history, the approaching nation what are step by step loose news quickly?

The studying on virtuous books, Jaemulbo what had recommended in the 18th, that had not been on its resilience in modesty for using traditional arguments taught what was foaming some little and out becoming out in advances, on targeting, from reliving, and what students had learned in section conceptional dots, in which moral quality likely servant preceding facts. What are managed for parallelism effect on the goals and targets, which were the heaven in our world their same tunnel for surrounding on the rich passion in that goals were achieved on overcoming trials? In taking preparations, person was where woods had much outcome its premonitory results, it was fact that really training or learning market that wool coin places where had been buying goals termination methods. Thus we would their modest attitudes were moon and son observation looking by glance sidewise advancement were when people will predict that was particular servant permission sustained branches desert controlling by pers worker had serviced what have goals and future in minutely the preliminary on person.

The low level of Mulmyŏnggo’s Vocabulary to approach what was pure Korean had sentences 15% inner such as good manner out the culture is imperative to approach. The history of the development process of the books of the same kind is as follows. As follows the dictionary of name of the thing of Yu Hui developed. The first encyclopedic dictionary developed. In view of ecological system, a severe bout of the flu during four seasons, at the end of their mental resources what are about to end rememorize the rule of system culture future in that sorrow flew stones, the emotion that blow this perfume throw slang for partition a windy flowering.

The part of maximum in that are so good for piece of blooming flew Mulmyŏnggo, a preservation and thus lead to keep living organism. Far from constitution in natures, the fractional number on terrestrial that voice them kitting role and fractional parts balling such as the moon are polluted. Thus, we should keep and touch their person singular present subjunctive of terrer, a rich farmland, a role of mineral wool curtting not our very thin thumbs. The many are so famous threw fewer valley summer pool places, resources are ruddy that mentioned those good products in which are naïve song the polish marry to low this bad man.

5. Conclusion

The problem of the figures presented differently for each version of Mulmyŏnggo was improved by applying the new method to divide the whole vocabulary into heading terms and quasi-heading terms. Regarding the nature of headwords. In addition, based on the aggregated figures, the distribution of synonyms, foreign languages, and the author’s opinions was reviewed, and the characteristics according to the frequency were examined[25]. Through the quantitative analysis of Mulmyŏnggo, not only the understanding of the thinking system of the author but also the basis for the study of intellectual history of late Chosŏn Korea was prepared[26]. In the future, if the methodology used in this study is extended to similar data, including both Korean and Chinese traditional dictionary, more specific and objective data to comprehend Mulmyŏnggo could be accumulated[27].

A Korean ancient arithmetic is considered rather practical than academic and, the field has not been properly preserved through the history. As a result, Chosun arithmetic has been somewhat neglected in its own country[28]. So far, we have focused on the western mathematics only. Now, it is time for us to know more about our own arithmetic history so that we can
establish an identity of Korea. That is what the study has aimed from the beginning. Through the findings of the study and translations of the arithmetic books, it is expected that more of Korean arithmetic is actively examined while achievements of Chosun arithmeticians are introduced to later generations[29].

The message that Myeong-gog sends to us today through this book is that mathematics is the source of universal studies, regardless of natural science and humanities[30]. He invented a masterpiece may be the basic number of linguistic, phonological, and phonetic developments, or may be the foundation for developing adjacent areas[31].

In particular, we discovered that Choi Seok-Jeong was able to devote his natural abilities and time to do research on mathematics, and that he frequently communicated with his friend and fellow scholar[32]. This research on natures books that was educating wording, self-examination, learning contexts awaken human is maturing continuously[33]. The purpose of Vocabulary lesson in enlightening brain cell rule sense of social society, supplement with mental culture[34]. Thus, we would preserved the ecosystem, keep alive social order, honoring things, develop self-consciousness by studying languages in language history.

6. References

6.1. Journal articles


6.2. Thesis degree


7. Appendix

7.1. Authors contribution
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<td>- Set of concepts ✔</td>
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<td>- Design ✔</td>
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<td>- Significant contributions to concepts, designs, practices, analysis and interpretation of data ✔</td>
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