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Inkling of Innovation Abstract Writing towards Zero Circumvention

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Abstract : Innovation abstract writing skill is crucial to generate innovative publication in any education realm. Circumvention is essence to have care regarding copyright infringement specifically for subject matter expert. The lack of right skill, experience and exposure to write innovation abstract writing adds more troublesome. This study is to analyse the vital element of abstract innovation writing as preliminary part in an article. Next objectives are to compare the element of innovation abstract and research abstract particularly for novice writers and to determine the challenges of innovation development towards high impact value, product sustainability, and zero circumvention.With adoption of Agile software development as methodologies, this innovation determines the challenges of innovation development towards high impact value, product sustainability and zero circumvention. With deployment of Bring Your Own Device (BYOD) conception via KelasLive and YouTube platform, the technique of abstract writing using Curation Mind Mapping (CUMAPP) has been implemented to yield innovation and research abstract from idea to truly existing. Data is collected through 110 participants in webinar of *Cam Inilah Nak Tulis Artikel* (CINTA) in July 2020 among Malaysian Polytechnic and Community Colleges (PolyCC) during pandemic of COVID-19. The findings conceded innovation abstract writing is pertinent with deep grasping of components namely statement of problem, objectives, theories, methodology, cost of development and potential of commercialization in the writing. Agile is applicable to allow teams with greater quality for change response. In future, it is remarkable for the writers to suggest the product collaborators and enrichment program for product sustainability in a full innovation article to yield more impact to the writing and publication accomplishment.

Keywords: Agile, copyright infringement, innovation abstract writing, challenges

1. Introduction

Innovation in abstract writing skills is crucial to generating innovative publications in any educational realm. Circumvention is essential to have care regarding copyright infringement, specifically for subject matter experts. The high-impact product consisted of significant value and required consideration for commercialization with industrial collaboration. and evasion of copyright infringement [1]. The lack of the right skills and publication immoralization [2, 3], experience [4] as well as exposure [5] to write innovative abstracts makes the problem more troublesome. Article writing, whether in a concept of research or innovation, requires the right skills, particularly among novice writers. The actual experience in writing is pertinent to share with other academicians and learners to enhance the quality of article content [6] and produce more publication opportunities in higher education institutions (HEI) as well as the universal stage [7]. The shortage of exposure to prepare innovation abstracts is crucial due to its need to cater to improvement and organise more writing courses and digital webinars in the institution. Based on the statistical report from January until July 2020, in the Webinar of Camni Lah Nak Tulis Artikel (CINTA 3.0) among Malaysian Polytechnics and Community Colleges, 40% of the participants in this webinar published a paper. Moreover, 25% of the participants published 2 papers, as well as 35% published 3 or more papers within the duration of a month [8].

The correct way to write with awesome acquisition of major elements such as content in the abstract is critical. However, the statistic that encompasses less than 50% of the respondents who published a paper is worriment [9]. If the authors have an interest in writing yet are not ready to allocate time to writing due to other teaching and management matters, it can't be accepted. This is because the opportunity to learn is, nowadays, everywhere. The lack of experience of innovation participation is also a constraint and this has affected the quality of innovation [10, 11]. The misunderstandings of the appropriate content to be inserted in an article between innovation writing and research writing also make the article more troublesome [12]. Since the technology has altered with machine learning and artificial intelligence specifically related to the Industrial Revolution 4.0 (IR 4.0) requirements, the challenges of innovation development absolutely matter and occur. Innovation development must contend with high impact value competition, product sustainability issues, and zero circumvention issues [13-15].

In consequence, it is important to provide guidelines in the innovation abstract writing while yielding the main elements stated during the abstract preparation. The vital element of abstract innovation writing is required to be scrutinised as a preliminary part of an innovation article. Moreover, for novice writers, they need to grasp the different components that need to be explained in the innovation abstract and in the research abstract. The key solutions regarding the way of facing the innovation challenges are also important to be identified to ensure the strong and establishment of innovation in the future as related to industrial requirements. Therefore, there are three objectives that are related to this innovation in abstract writing development. The objectives are as follows:

i. Analyse the vital element of innovation abstract writing as a preliminary part of an article.
ii. Compare the elements of innovation abstract and research abstract, particularly for novice writers.
iii. Determine the challenges of innovation development towards high impact value, product sustainability, and zero circumvention.

2. Materials and Methods

In this innovation, the Agile was applied as model of development which consist six phases include the requirement, planning, designing, development, prototyping as well as controlling and monitoring [8]. Requirement needs idea generation which implemented online and face to medium method to assemble the innovation of abstract writing provision [16].

As one of the phases in Agile, planning requires the developer of the innovation to work and determine component of innovation abstract and research abstract [17]. When reach to design stage, the Curation Mind Mapping (CUMAPP) was chose to be developed with features of digital mind mapping as heutagogy gizmo to brainstorm and provide vital element of abstract innovation writing as a preliminary part of an article. During development, the developer highlighted the process of iterative combination, additional model process, focus to process adaptation and users' satisfaction [18]. Task distributed based on timeline with CUMAPP conception. The phase of development demanded process of creating and testing features, and scheduling iterations for deployment. Once the innovation has been developed, it was tested against the preconditions to guarantee the product is verily overcoming the writers' needs and matching their essentials. The final stage of the Agile method highlighted the product to the novice writers through the YouTube channel of the instructor as the hub of teaching and learning, particularly during the COVID-19 outbreak. In this phase, the tips and tricks of innovation article writing were distributed to the writers to gain a grasp of innovation article writing and publication. Moreover, agile software development was used in this innovation as software development approaches that emphasise the idea of iterative development as denoted in **Figure 1**.
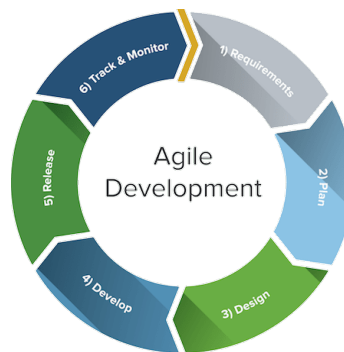

Figure 1: Agile model used for innovation development

With an iterative approach, the requirements and solutions were developed through cooperation amongst self-organizing cross-functional modules using CUMAPP as a writing technique with optimization features of Mindmeister, Wisemapping and Coggle.it as indicated in **Figure 2**. In this study, Agile acted as a model approach. Agile development's awesome benefit was that assisted novice writers to create findings of article content more efficiently, with remarkable quality and predictability. Therefore, these materials and methods were suitable with a better ability to adapt to the changes in writing and publication.

Figure 2: CUMAPP conception as writing technique

3. Result and Discussion

The findings conceded the main elements which need to be inserted during abstract writing, whether in the innovation article or research article. It indicated two sorts of abstracts: innovation abstract (IA) and research abstract (RA). In IA, there were 9 elements which encompass Introduction, Issue or current problem, Innovation objective, Methodology, Innovation features, Innovation cost,

Implication, Conclusion, and Suggestion. Meanwhile, in RA, the findings conceded 9 elements, which include Introduction, Issue or current problem, Innovation objective, Methodology, Innovation features, Innovation cost, Implication, Conclusion, and Suggestion. **Figure 3** depicted for the outline of abstract writing for innovation and research.
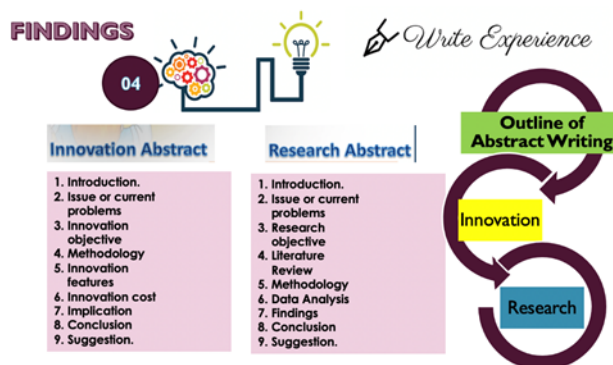

Figure 3: Outline of Abstract Writing for Innovation and Research

Based on 62 respondents of Webinar CINTA 3.0, which was conducted in 2021, it revealed 25.8% for success and beneficial, 33.9% for knowledge increase, and effective delivery, 14.5%. The "Kelas Live" as well as video links as reference, entitled "Kandungan dalam abstrak inovasi" and "Kandungan dalam artikel penyelidikan" to the participants have been provided to support their grasping in preparing articles of innovation as well as articles of research, specifically for abstract writing as a preliminary guideline. Tools for plagiarism detection have also been conceded. There were six detection tools which encompass Dupli Check, PaperRater, Copyleaks, Plagiarisma, PlagScan, and Turnitin. For the challenges of innovation development, there are 3 main challenges that need to be focused on in the future regarding high impact value, sustainability of innovation products, and zero circumvention.

The findings of high impact values highlighted the pertinence of intellectual property (IP) protection and marketability. Based on the World Intellectual Property Organization, intellectual property is inventions of the mind that encompass creations, literary and artistic works, symbols, names, images, and designs used in commerce. Two categories can be found in IP: trademarks and industrial designs; and geographical designations and invention patents, which were only a few examples of industrial property [19]. Copyright protects written works like books, poems, and plays as well as musical compositions, visual arts like sculptures, paintings, and photographs, as well as online sites and architectural designs. Copyright laws protect the rights of performers in their performances, phonogram makers in their recordings, and broadcasters in their radio and television broadcasts. IP protections shelter publication companies from competition, allowing them to dominate markets and obtain above-normal profits. In the context of consistency of innovation use, it was remarkable for writers to keep learning and applying the good and benefits of writing modules and innovation materials. The enhancement of industrial collaboration to provide suggestions for improvement is crucial due to one of the Nine Pillars of the Fourth Industrial Revolution (IR 4.0) requires real-time capability to assemble and analyse data as well as yield insights rapidly. For the dimension of zero circumvention, the findings conceded the vital usage of plagiarism detection tools as essential practise during writing. The quality of writing is important to take into consideration for the best manuscript quality.

Based on findings of Dr Fizz YouTube channel, from the development of 12 videos as reference to writers it yielded significant enhancement to the field of innovation writing. The beginner writers able to refer them as guideline for various writing strategies and publication potential. As hub of teaching and learning, these videos have been developed during COVID-19 outbreak to ensure consistent writing among the writers. The video encompasses *Perkongsian Fiz tentang Scimargo Journal Ranking, Penulisan Artikel Inovasi: Kandungan Dalam Abstrak, Tajuk Inovasi, Model dan*

Signifikan terhadap Komuniti, Camni lah Nak Tulis Artikel, A bit of sharing to nurture research grasping and CUMAPP as a heutagogy gizmo to embolden the cultivation of double loop learning as indicated in **Figure 4**.
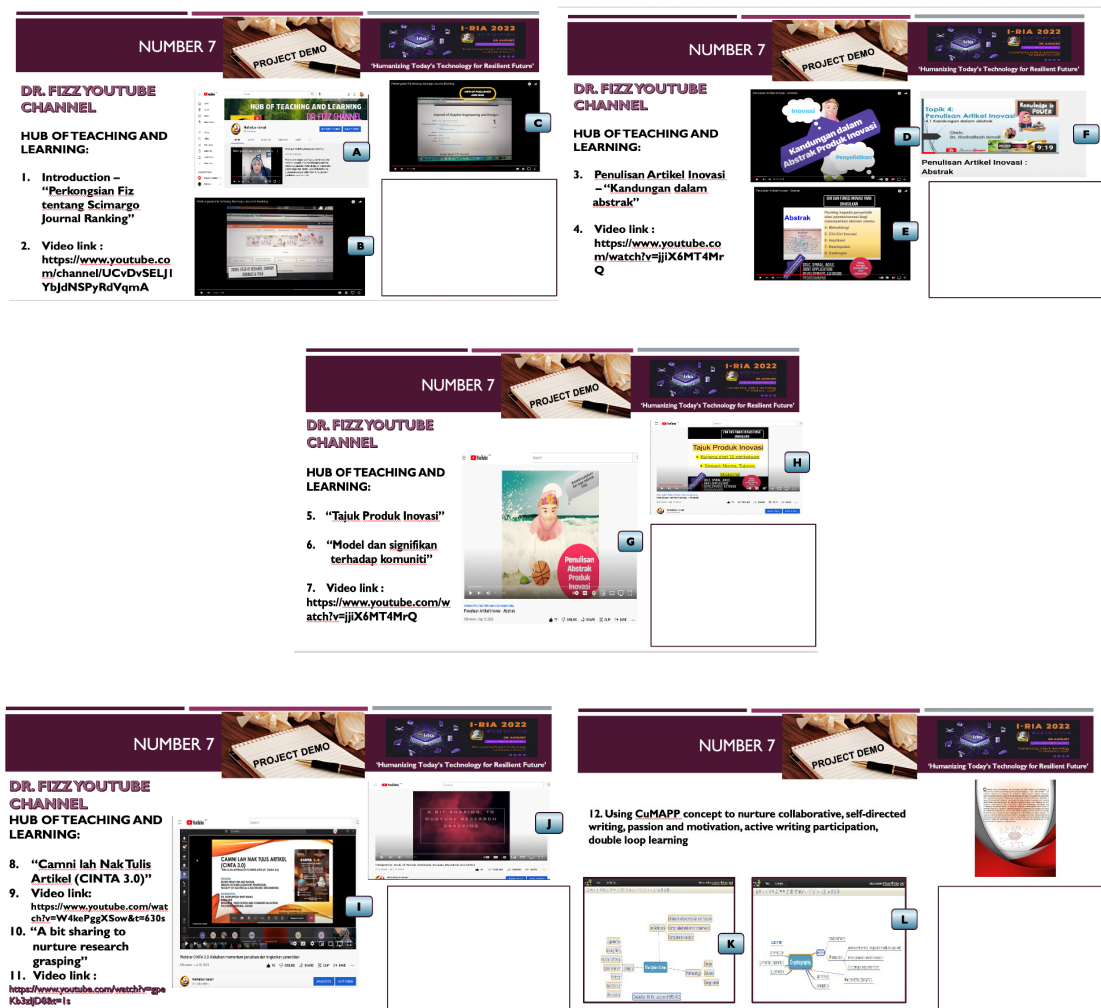

Figure 4 : Video creation as reference via YouTube channel

Therefore, it is crucial to determine the element of innovation as a preliminary part of an article. The comparison of innovation abstract and research abstract helps novice writers prepare the abstract for a quality article. Innovation development challenges are required to be grasped for development towards high-impact value, product sustainability, and zero circumvention. By utilising digital sources, this innovation contributes to the empowerment of abstract writing. The practise of article writing through the CUMAPP conception nurtures consistency with "Bring Your Own Device (BYOD)" writing articles, immersive learning as well as live class. With the features of visual and diagram, writers can write, edit, submit a final draft, and present a paper. The contribution to society encompasses knowledge sharing via workshop sessions of CINTA 1.0, CINTA 2.0, CINTA 3.0, and CINTA 4.0 from 2017 until 2021; Bengkel Penulisan Artikel iRES'2 2021; and Bengkel Penulisan Artikel Berimpak Tinggi in 2019. Hence, it is beneficial to prepare for abstract writing brainstorming via curation mind mapping technique.

4. Conclusion

The development of innovation abstract writing can enable collaborative, self-directed writing and increase motivation to create active writing participation among novice writers. They can also enhance their double loop learning by submitting their article to a quality publication using a problem-solving approach. A good article outcome can provide a good Key Performance Indicator (KPI) accomplishment, encourage beginners to become active writers, and contribute to the innovation effort as a publication for the needs of higher educational institutions (HEI). Publishers see fruitful article publication as aligning with the Fourth Industrial Revolution and fostering knowledge sharing. To sum up, this innovation encourages novice writers to be aware of and apply the elements of innovation and research abstract in order to prepare a complete article. BYOD can foster and keep writing everywhere as an essential effort during the COVID-19 outbreak. The writers are able to use the current plagiarism detection tools wisely to avoid plagiarism and evade copyright infringement. For the future, it is pleasant to prepare relevant strategies, for instance, to perform good industrial collaboration about innovation development. Moreover, innovators can provide continuity improvement to establish awesome usability and functionality of prototype products to face the challenges of innovation development towards high impact value, product sustainability, and zero circumvention.

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