

An Integrative Review of Self-efficacy: What Factors Enhance and Impair It?

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Abstract: This paper studies and analyzes self-efficacy with previous empirical research to find out and understand the factors that influence the strengthening and weakening of self-efficacy. The analysis that the authors conducted include the fields of education, health, leadership, and psychology. The sample articles for this study were academic papers obtained from the Google Scholar search engine and other sources including Sage, Routledge (Taylor & Francis), Elsevier, Springer, Eric, and Scopus. The author uses an integrated review method, a total of 20 papers were analyzed. This study has two conclusions, namely (1) factors such as feelings of fair treatment, well-organized activities, programs designed according to participant characteristics, stress at a manageable level of thinking, appropriate load, sense of expectation, and good experience, can increase self-efficacy, (2) on the contrary, feelings of discrimination, many problems that are difficult to overcome, lack of support, and a burdensome environment can damage self-efficacy.

Key-word: self-efficacy, enhance, impair, integrated review

Received: May 19, 2021. Revised: June 30, 2021. Accepted: July 1, 2021. Published: July 7, 2021.

1 Introduction

Self-efficacy is the focus of research in various analyses, such as relationships, predictions, and mediation. Researchers have also recorded it for various subject studies, such as education, management, and health.

In the educational sector and along with the increasing public awareness of the rights to education, teachers will increasingly face new challenges, such as fulfilling children's rights to education for students with special needs. For example, the field of physical education is growing rapidly and a developing amount of learners' teachers who choose physical education as the main choice will meet learners with afflictions in their time to come for their careers of teaching. Self-efficacy is needed in the relationship between skilled studying groups, college belief in university, join efficacy of teachers, and their dedication to learners [1].

With the popularity of the blended system especially during the pandemic, more and more participants are following classes offered on the internet via an open-access platform; however, most of the participants who started this class did not complete it. The mismatch of learner motives and following involvement propounds that self-control due to self-efficacy is a major cause of this shortage of perseverance resulting from self-efficacy [2].

In the health sector, structured desensitization effects alter evasion behavior by creating and reinforcing self-efficacy hopes. Overall elimination of threat anxiety visualized by desensitization treatment resulted in a distinct increase in self-efficacy. Self-efficacy and accomplishment suggest self-efficacy are very accurate predictors of the rate of behavior shift after full desensitization. These discoveries also underpin the view that self-efficacy intercedes anxiety. Process self-efficacy and behavior shift during treatment with a participant model. Self-efficacy is shown to become an

excellent forecast of the amount of improvement in phobic behavior that resulted from mastery of multiple threats at different stages of intervention [3].

Self-efficacy is the essence belief of the basis of person agency nature. Human believe that they can result the intentioned effect and prevent unwanted things by their deeds. Besides, experts introduce collective efficacy. In the collective efficacy, there is a growing interdependence of human functions that exist in the exercise of collective agency nature by means of a shared belief in the power to create influences through shared deed [4].

2 Aim and Research Question

This integrative review is conducted to critically review what causes self-efficacy up and down by analyzing the past practices stored in the literature, with the research question: “What factors enhance and impair self-efficacy?” to guide this research.

3 Methods

An integrative review was done employing the skeleton by Whittemore and Knafl [5] to inspect the documents regarding self-efficacy. The way was selected because it merges the theoretical documents or literature, qualitative and quantitative studies. This way permits for many viewpoints and by turns, allows the discussant to better comprehension the causes. The integrative review way by Whittemore and Knafl [5] Whittemore and Knafl contains of five phases: identification of problem, documents search, data assessment, data analysis, and serving.

3.1 Search Strategy

This literature review is about self-efficacy focusing on factors enhancing and impairing it. The process of reviewing this literature begins with a search engine, Google scholar, to search for articles with the keywords “self-efficacy, enhancing and impairing self-efficacy, and experimental”. The criteria included in this study are 20 articles selected as in the literature review process flow chart shown

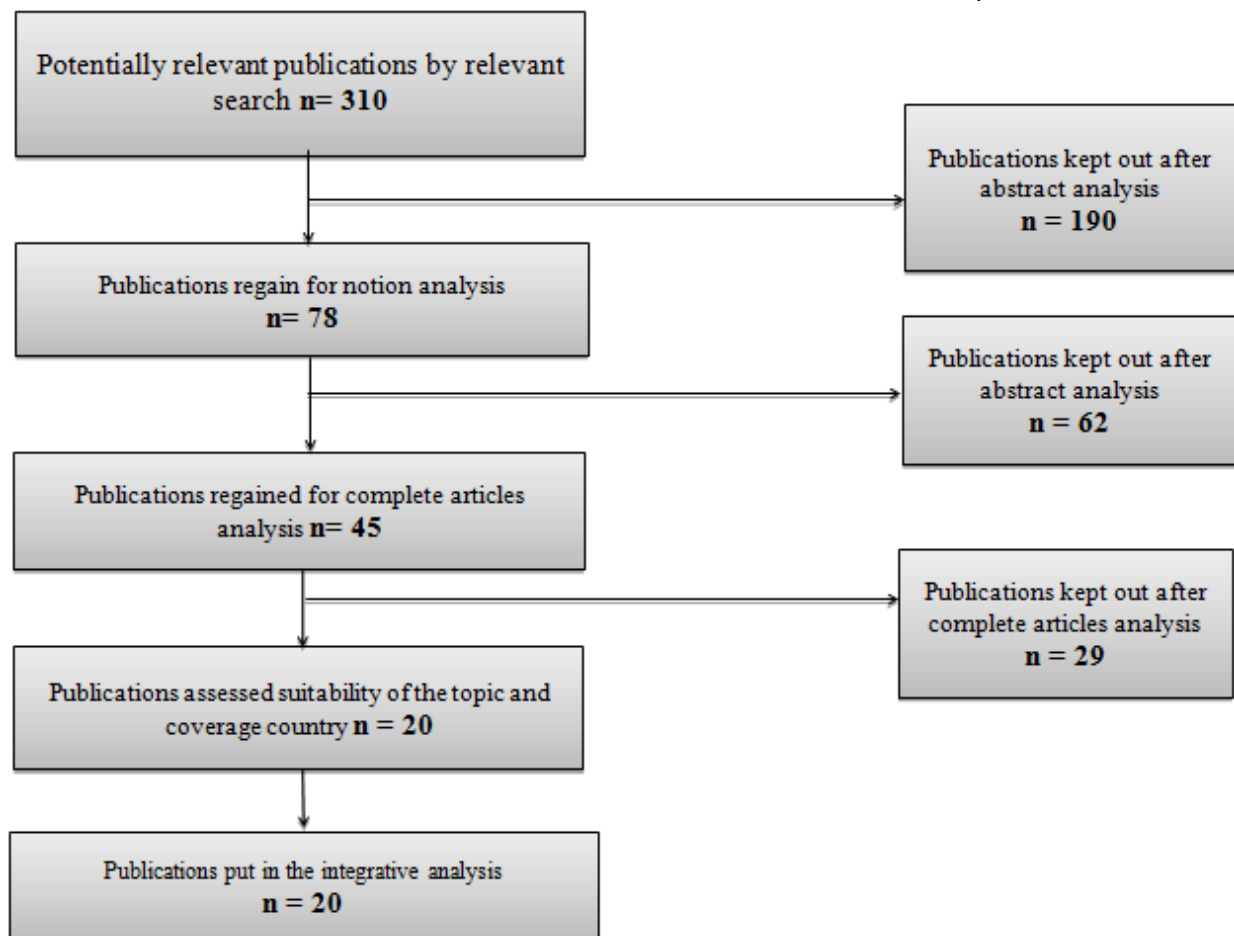


Fig.1: Stages of Learning Choice of Integrative Literature Review

3.2 Screening

From the quest reported above, 310 articles were identified (see Figure 1 for data quest process). A selecting process get rid of copies and unconnected documents, yielding in 190 documents. The abstracts of these documents were assessed build upon the following inclusion criteria: (a) related to efficacy, (b) published in English. From the 78 abstracts, 62 complete documents were assessed for qualified. Analysis of the complete documents was evaluated built upon quality assessment criteria (see Table 1). Among these cases, 20 articles met the criteria for the integrative review.

3.3 Quality Assessment

Articles that meet the requirements are then evaluated for grade making use of the Assessment Tool, which is deliberately made based upon a standard appraisal basis (see Table 1). This allows authors to check the main study deeply and ensure its relevancy and functionality. To increase accuracy, the main study was independently evaluated by two fellows of the analysis team (authors one and two), and differences of opinion fields were discussed. If ambiguity persists, the third team fellows conducted more assessments to come to a final settlement among the analysis team fellows.

Table 1. Quality Valuation categories

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1. Does the article include efficacy both affect or affected?
 2. Are there any unstated or stated descriptions to make or affect efficacy both self and/or collective-efficacy up or down?
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Table 2. Self-Efficacy in the Research

No	Author, country and Year	Title	Method	Sample	Some identified significant result
1	Evans, et al. [6]	Randomized Experiments Testing the Efficacy of Scheduling Boost in a Massive Open Online Course (MOOC)	Survey, experimental Design, Blocking, Estimation, and Covariate Balance	N = 18,043	Random task to treatment had no impact on short-term involvement and a very important negative effect on long-term course involvement, persistence, and performance. A theoretically motivated intervention could interact with a variety of individual student motivations in ways that may not be desirable.
2	Raudenbush, et al. [7]	Contextual Effects on the Self-perceived Efficacy of High School Teachers	Middle school teachers from 16 urban and suburban high schools in California and Michigan. A questionnaire was administered in each school asking teachers to report their perceptions of self-efficacy for each class they taught and to report the various characteristics of this class. The questionnaire also asked about the personal and professional backgrounds of the teachers and their perceptions of the organizational settings in which they worked. The analysis begins by	The sample of 16, 315 teachers provided about 1,258 classes.	These findings warn against the practice of classifying individual teachers as "high" or "low" in self-efficacy. Of course, there were significant differences between teachers in reporting self-efficacy. But there are also important differences between teachers in self-efficacy reports, and our findings suggest that they relate to deeply institutionalized features in US secondary schools: differentiation of curricula into tracks, teacher specialization based on subject matter, and character-tailored curricula with age. Middle school teachers face a class of highly variable priorities, in part because of the "tracking" system in U.S. high schools. Classify students into high and low performing classes. Our data suggest that assignment to low-track classes presents challenges for teachers that make it difficult for them to sustain increased perceptions of self-efficacy. This trend is most pronounced for math and science teachers. A topic worthy of future research is how to overcome the effects of this pathway on teacher efficacy, as that is where the key lies in increasing teacher success in this subject with all students. On a more positive note, the research provides encouragement for those who wish to pursue school organizational reforms to increase teacher feelings of success. In particular, the evidence suggests that increased

			<p>breaking down the variance in teacher self-perceived efficacy into two components: the inter-teacher component, which reflects the variance in some sense of teacher efficacy across classes, and the inter-teacher component, which reflects relative variation in the stable or global component of self-efficacy. The analysis was then extended to investigate a series of hypotheses about the sources of variation at each level of analysis.</p>		<p>teacher control over their working conditions and increased opportunities to collaborate with other teachers can increase their perceptions of self-efficacy. Nevertheless, given the design of this study, more research is needed to evaluate the impacts of these organizational design changes on educators' self-efficacy. Finally, researcher noted that more research is needed on the relationship between teachers' sense of efficacy, teaching practice, and student results. It was different to previous researchers; the assumption is that this relationship is complex. The assumption is that a high sense of accomplishment is required if teachers are to successfully deal with the uncertainties of classroom teaching. However, the specific way in which self-efficacy results in effective teaching for different groups of students remains to be determined.</p>
3	Moolenaar, et al. [8]	Teaming up: Linking collaboration networks, collective efficacy, and student achievement	Quantitative survey methods	53 Dutch elementary schools	Well-connected teacher networks are associated with strong collective teacher efficacy, which by turn supports learner's achievement.
4	Nosratinia, et al. [9]	EFL Learners' Self-efficacy, Metacognitive Awareness, and Use of Language Learning Strategies: How Are They Associated?	Preliminary analysis was carried out to ensure that there were no violations of the assumptions for normality, linearity, and homoscedasticity. The relationship between GSES, MAI, and SILL was	143 EFL learners	Statistical analysis showed that there was a significant relationship between EFL students' self-efficacy and metacognitive awareness, self-efficacy, and use of language learning strategies, and metacognitive awareness and use of language learning strategies. In addition, the regression analysis shows that there is a significant difference between EFL students' self-efficacy and metacognitive awareness in predicting the use of language learning strategies by means of metacognitive awareness entering the model as the best predictor of language

			investigated using the Pearson product-moment correlation coefficient.		learning strategies. It can be concluded that the results obtained can help EFL teachers and educators to remember the benefits of developing students' self-efficacy and metacognitive awareness when dealing with the promotion of language learning strategies in students.
5	Wang, et al. [10]	The Self-Ecacy of Preservice Physical Education Teachers in Disabilities Education in China	Survey, ANOVA	All 490, 289 males and 201 females, average aged 21.3 years	The survey found that (1) perceived social support positively as a measure of self-efficacy among Chinese sports majors facing students with various types of disabilities; APE studies and internships positively affect self-efficacy among Chinese sports majors dealing with students with different types of disabilities, and; (3) The APE study and internships reinforce the influence of perceived social support on self-efficacy among Chinese sports majors who will encounter learners with different types of disabilities.
6	Prabawanto [11]	The enhancement of students' mathematical self-efficacy through teaching with metacognitive scaffolding approach	This study used a quasi-experimental design with pre-post response control.	One group consisted of 60 students who taught mathematics with a metacognitive approach, the control group consisted of 58 high, medium, and low students.	Using the average difference test, the two conclusions of this study are: (1) there is a significant difference in the increase in mathematical self-efficacy between students who take the subject with the metacognitive scaffolding approach and students who take the subject with the direct approach, (2) and no significant interaction effect. There is a significant difference between the teaching approach and the level of ability built on the basis of initial mathematical abilities to improve students' mathematical self-efficacy.
7	Cai, et al. [12]	Effects of learning physics using Augmented Reality on students' self-efficacy and conceptions of learning	The quasi-experimental study method	98 middle school students aged between 16 and 18 were randomly assigned to the experimental and control groups.	It was revealed that unifying AR technology into the physics classroom could (1) significantly improve leaners' physics learning self-efficacy, as demonstrated by a higher understanding of concepts, cognitive skills, practice, and communication; (2) guide leaners to choose a higher conception of physics learning than a lower conception; and (3) stimulate leaner motivation to learn more deeply.
8	Bresó, et al. [13]	Can a self-efficacy-based intervention decrease burnout,	A quasi-experimental study	77 learners in the intervention and control groups, 71	The outcomes showed that self-efficacy, involvement and performance improved in the intervention group when compared to the two control groups. Regarding fatigue,

		increase engagement, and enhance performance? A quasi-experimental study		learners were included in the final analysis, the final intervention group consisted of 21 learners, and the stress and healthy control group consisted of 23 and 27 learners.	decreases were noted in the intervention and stress control groups but not in the healthy control groups. The implications of this study are discussed, along with their limitations and suggestions for further research.
9	Malinauskas [14]	Enhancing of Self-Efficacy in Teacher Education Students	Statistical analysis using SPSS 22.0. A t-test, repeated measurement (RM) multivariate analysis of variance (2x2 (Group × Time) MANOVA) was used to analyze the effects of educational programs. Lambda Wilkes was used to evaluating all multivariate effects; the level of significance was set at 0.05. The effect size for the F-statistic is expressed as partial eta-squared (η^2).	Sixty-eight (68) teacher education students	To sum up, result that teaching the experimental group learners education after the training module has increased self-efficacy more than the same students before the experiment can be explained by Thompson and Schlehofer (2011). They claim that people have a perceived sense of control when they believe that, in general, control over personal actions is generated and they personally have the skills to perform those actions (self-efficacy). Statistical analysis showed that the training module on increasing social self-efficacy was effective on teacher education learners' general self-efficacy, social self-efficacy, and teacher self-efficacy beliefs.
10	Bunkarn, et al. [15]	The Outcome of a Self-Efficacy Enhancement Program for Cervical Cancer Screening among Women in	This study is a quasi-experimental study to develop a program to promote women's self-efficacy against	Women aged 30- 60 years without previous cervical cancer screening experience	In short, self-efficacy improvement programs are intended for women, taking into account the area, background, and focus on giving women confidence to overcome barriers to cervical cancer screening (Chosamata et al., 2015).

		Phrasaeng Suratthani Thailand	District, Province,	cervical screening.	cancer	
11	Ahmad Sharoni, et al. [16]	A self-efficacy education programme on foot self-care behaviour among older patients with diabetes in a public long-term care institution, Malaysia: a Quasi-experimental Pilot Study		A quasi-experimental and post-quasi- experimental study	52 residents	These findings suggest that the program is feasible, acceptable, and effective in improving the foot care behavior of older diabetic patients. Based on these findings, educational programs built on self-efficacy theory would assist and facilitate study planning in a larger population of elderly with diabetes living in long-term care institutions using RCTs.
12	Bandura and Adams [3]	Analysis of Self- Efficacy Theory of Behavioural Change		Subjects whose social, recreational, and vocational activities are detrimentally exposed to chronic snake phobia recruited through advertising placed in newspapers serving metropolitan and suburban areas community..	They ranged in age from 19 to 57 years with a mean age of 31 years	This article tells the results of two experimental tests of the self-efficacy theory of behavior change. The study one investigated the hypothesis that systematic desensitization effects change avoidance behavior by creating and reinforcing personal efficacy expectations. The complete subtraction of arousal anxiety to the threat visualized by desensitization treatment resulted in a distinct increase in self-efficacy. As it is hoped, microanalysis of the suitability between self-efficacy and performance reveal self-efficacy to be a very accurate predictor of behavior change assessment after complete desensitization. These findings also support the view that self-efficacy mediates arousal anxiety. The study two investigated the process of efficacy and behavior change during treatment with a participant model. Self-efficacy was shown to be a superior predictor of the number of behavioral improvement phobias obtained from the mastery of some of the threats at different phases of treatment.
13	Mwansa [17]	School Principal's Leadership Style and Teacher's Self-Efficacy in High and Low Achieving Schools in		A quantitative and non-experimental design, survey. MLQ and Teacher Self- Efficacy Beliefs	18 school, principals 211	Findings from the Chikankata District study indicate that those who are elected to school leaders as school principals will improve their ability to influence student performance if they use more transformational leadership styles and lower transactional leadership. The use of the

	Chikankata, Zambia	(TSEB). SPSS was used to analyze data, bivariate descriptive, independent sample t-test, canonical correlation, and descriptive discriminant function analysis to determine the relationship between leadership style, teacher self-efficacy, and their effect on student achievement.		same leadership style will increase the influence on teacher self-efficacy.	
14	Antoniou, et al. [18]	Occupational stress in mainstream and special needs primary school teachers and its relationship with self-efficacy	Software SPSS V.25 for Windows is used to get the mean standard deviation or median and interquartile range for normal or non-normal data distribution, t-test to check to get the Mann Whitney U test for non-parametric data, Spearman rho correlation with P-values on a 2-tailed test and significance at $p < .05$.	The sample consisted of 501 teachers (412 women and 89 men)	The findings indicate that stress factors specific to teachers include favouritism of government and school administration, time pressure and student character, increased student, resources, and equipment, and support from parents and the community. In addition, general school teachers report higher levels of stress and higher levels of self-efficacy compared to teachers with special educational needs. Individual variables have also been shown to have an effect on teacher stress and self-efficacy.
15	Kossowska and Łaguna [19]	Personality, Job Resources, and Self-Efficacy as Predictors of Volunteer Engagement	Descriptive and correlation between researches variables, multivariate	N = 165 were	The results of the hierarchical regression analysis showed that awareness, skill variation, and self-efficacy were statistically key predictors of volunteer involvement. This suggests that the effects of awareness and skill diversity

		in Non-Governmental Organizations	hierarchical regression analysis asked to fill out a questionnaire that can be accessed online.		on volunteer participation were mediated by volunteer self-efficacy.
16	Lee, et al. [1]	A multilevel analysis of the impact of a professional learning community, faculty trust in colleagues and collective efficacy on teacher commitment to students	Statistical analysis: factor analysis with varimax rotation for EFA regression. A randomized online teacher questionnaire survey	33 elementary (Grades 4-6) and secondary (Grades 7-9). 22 teachers from 33 schools, the response rate of 73% (480) teachers.	PLC factors including shared learning and application and supportive structures, and faculty trust factors in coworkers and collective teacher efficacy can importantly and positively explain the school-level variance of teacher commitment to students. Another PLC factor, shared and supportive leadership, was not identified as a significant predictor of teacher commitment to students in the Chinese language environment.
17	Goertz-Dorten, et al. [20]	Efficacy of an Individualized Computer-Assisted Social Competence Training Program for Children With Oppositional Defiant Disorders/Conduct Disorders	Research protocol (ClinicalTrials.gov, NCT02143427), Children receiving treatment with ScouT. Data were collected at three assessment points: 1) pre1 (beginning of the 8-week waiting phase), 2) pre2 (end of the 8-week waiting phase and immediately before the start of the 16-week care phase), and 3) post (at the end of the intervention).	N = 50 (Fifty children aged 6–12)	No significant changes occurred for any of the outcome variables during the waiting phase. During treatment, most of the parent-rated outcome measures (including the main outcome measures) showed a significant reduction, which was stronger than the change in the waiting phase. Most of the self-assessed outcome measures also showed a significant reduction during treatment, but a stronger reduction than in the waiting phase was only found for aggressive peer-related behaviour. Computer-facilitated social skill training appears to be an effective CBT intervention for children with aggressive peer-related behaviour.
18	Wright, et al. [21]	Enhancing Self-Efficacy and Performance: An Experimental Comparison of Psychological	The in-subject design assessed each individual across 2 trials for 3 different PET. The intergroup	Participants (N= 96)	Instructional self-statements enhance performance better than imagery, modelling, goal setting, and feedback plus motivation and knowledge of outcomes. Motivational auditory feedback improved SE the most. Increased SE change scores were associated with increased performance

		Techniques	design assessed the differences between PETs paired with each other for 3 similar new assignments		difference scores across tasks after controlling for age, gender, achievement motivation, and self-esteem. Some sources of SE may be more influential than others on SE and performance improvements. This study provides partial support for the SE resources proposed by Bandura's socio-cognitive theory with verbal persuasion but not representative experiences that enhance SE.
19	Kanwal and Asad [22]	Resilience, Hope, and Self-Efficacy in Mothers having Children Diagnosed with Autism Spectrum Disorder	A correlational research design was used.	A total of 60 mothers with ASD children aged 4-12 years were selected from the Lahore Children's Hospital.	The results indicated that there was a significant positive relationship between resilience and expectation. However, resilience and expectancy did not have a significant relationship with self-efficacy. Multiple hierarchical regression analysis showed that self-efficacy was not predicted by resilience and expectation. The findings imply the importance of considering the socio-demographic characteristics of mothers raising children with ASD to better comprehensions their sense of self-efficacy.
20	Schunk [23]	Enhancing Self-Efficacy and Achievement through Rewards and Goals: Motivational and Informational Effects	The experimental, ANCOVA, valuable F-ratio was further analyzed using the Newman-Keuls multiple comparison test (Kirk, 1968).	33 children were taken from 2 elementary schools	The center of research is on rewards and goals that depend on performance connected to children's task motivation, self-efficacy, and skilled performance. Children lacking in sharing skills received sharing and problem-solving guides. One, some children are offered awards based on their actual appearance (awards only); two, others are pursuing proximal performance goals (goals only); and children in the third condition receive rewards and goals (rewards + goals). Although the three experimental treatments yielded equally rapid problem solving during training, combining rewards with the goal of producing the highest divisional self-efficacy and performance.

3.4 Analysis

The twenty articles selected came from the United States of America, Pakistan, Australia, Germany, Hong Kong, Poland, Greece, Zambia, Malaysia, Thailand, Lithuania, Spain, China, Indonesia, Iran, and the Dutch. The authors put them in one table (see Table 1) to get an understanding of the results and conclusions contained in the article. Furthermore, the authors compile the articles build upon research in the fields of study. Build upon the results of the assessment, there are 4 fields, namely education, health, leadership, and psychology. The final step in the analysis is to report findings. Below are the outcomes, followed by the discussion.

4 Results and Discussion

The results obtained from a review of 20 articles led to the study of four categories of areas related to influencing efficacy.

4.1 Education Practices

A person who follows learning tends to experience various events. Some events make him/her find something he/she needs or otherwise find something that actually makes him/her feel surprised and creates a feeling of uncertainty. Someone who has the initiative generally tends to have a good level of efficacy [24]. However, it is necessary to have appropriate handling efforts for the learners so that their efficacy is maintained; and increasing efficacy is the goal of learning participation.

A study in the Massive Open Online Course (MOOC) presents the results that random assignment has an effect on continued participation in the continuation of the courses. Furthermore, it has a negative effect on learning participation for the long term. Bad effects also occur on student persistence and learning performance. This happens because the intervention carried out is motivated merely on a theoretical basis; in fact, it can be responded to in various forms of behavior by students. The negative reaction of these students was not what this study explored [6].

In another study, the statistical analysis showed that there was that there was a relation between the efficacies of students as learners of English as a language. The link is between metacognitive awareness and learning strategies. In addition, the calculated regression analysis to see metacognitive awareness as a predictor turned out that metacognitive awareness acts as a good

predictor in language learning. Therefore it can be said that efficacy can grow and develop well in students who learn when the teacher is wise in determining learning strategies [9].

The behavior of teachers in Indonesia and Indonesians in general often stereotypes the oaring in black and white, good and bad, as well as high and low. Teachers should be free from this kind of behavior. Teachers should always put forward the good hopes that will happen.

It seems that this kind of dichotomous behavior occurs in other parts of the world as well. A research finding warns educators or anyone else to be wise: don't just dichotomize. This dichotomy also occurs in the aspect of efficacy, including teacher efficacy. It turns out that teacher efficacy is also dichotomized: high and low. What factors put teacher efficacy high and low? These factors include curriculum differentiation, teacher specialization build upon the subject matter, and the character of the curriculum that is age-adjusted [7, 17].

After searching more deeply the research found that teachers who had high efficacy worked with high performing students as well. Meanwhile, teachers who work with students who have more learning rights are directly proportional to the teacher's difficulty in helping their students to succeed in learning. It was also found that teachers with high efficacy found themselves difficulty maintaining high self-efficacy when working with assignments in low-track classes.

There needs to be a concerted effort to make reforms at the school organizational level and focus on maintaining teacher efficacy in order to further enhance it so that subject teachers are successful and are directly proportional to student success. Research evidence shows that encouraging teacher autonomy over their working conditions and teachers collaborating with other teachers can increase their perceptions of self-efficacy. All of which contribute to changes in the design of the school organization.

This connection should make us realize that this relationship is complex. However, we may assume that a high sense of accomplishment is required if teachers are to be successful in overcoming the complex interrelationships of teaching that occur in the classroom. To reveal that, the specific way in which self-efficacy, as a result, can be felt in effective teaching for various groups of students needs to be mutually agreed upon [7].

It was explained that collaboration in a well-connected teacher network would form a strong collective teacher efficacy. This strong community

efficacy, in turn, supports learner accomplishment. Collective efficacy can sustain teacher self-efficacy. Community efficacy can be obtained from (1) tailored physical education to support positive social relations as an act of self-efficacy. [25] Apprenticeship in adjusted physical education affects self-efficacy positively. (3) Adapted physical education and apprenticeship strengthen the influence of communal underpin on self-efficacy in learners primary in physical education to deal with students with various types of disabilities [10].

Mathematics is still seen today as a difficult subject. However, the use of media or methods can affect students' self-efficacy. A study with statistical calculations using the mean difference test obtained two conclusions: an important difference in improving numerical self-efficacy between learners who take courses with the metacognitive scaffolding approach and learners who take courses with a direct approach, and teaching approach and ability level build upon early mathematics ability do not interact to increase students' numerical self-efficacy [11].

The use of certain methods was able to increase students' self-efficacy. As the example was the use of the method by combining with technology. This study suggests that combining AR technology for physics learning is able to (1) increase learners' self-efficacy is very meaningful. This statement is demonstrated by a high level of conceptual understanding, cognitive competencies, application, and communication; (2) able to lead learners to the mastery of a great height concept of physics; and (3) able to motivate learners to learn more deeply [12].

Techniques for involving students in learning or known to active students also increase self-efficacy. Through the involvement of students, self-efficacy and accomplishment developed in the intervention group when contrasted to the managed group. When students are involved, learning barriers such as anxiety will slowly disappear and the performance of low-thinking skills turns into higher-thinking skills. This can be understood because of the learning process [13].

The use of carefully prepared teaching materials can also increase self-efficacy. This is obtained from experiments. Students who take mathematics subjects with a scaffolding metacognitive approach and students who take subjects with a direct approach experience an increase in efficacy [11]. The learning module is able to control student behavior. This means that a good module that is written and structured in an

attractive, easy-to-read manner can contribute well to student efficacy. So that people who have their own sense of control have the skills to apply it to self-efficacy. Statistical analysis declared that training modules on increasing social self-efficacy were effective on teacher education students' common self-efficacy, social self-efficacy, and teacher self-efficacy beliefs [14].

4.2 Health Practices

Everyone makes an effort to contribute to life. However, to be able to contribute requires good self-condition. Meanwhile, a healthy him/herself is supported by many factors. One of them is self-efficacy. Self-efficacy is very effective in overcoming various problems, including health. Curing a disease is not enough only from medical but also non-medical factors: self-efficacy. For this reason, the treatment of the patient's disease should also be accompanied by increasing the patient's self-efficacy. Many patients are afraid of pre-treatment programs, as happened to women with cervical cancer. However, several factors need to be controlled in a self-efficacy improvement program including considering their region of origin, background, and focus on giving women the confidence to overcome barriers to cervical cancer screening [15, 26].

The power of this research is that elderly diabetics live jointly in an organization and constantly make a social call by internal health care providers to allow discussion of the process of modifying foot care behavior itself. Respondents can share their experiences about the program and sustain one another for continuity. It is expected that in the time to come, the findings from this pilot research can assist in the application of a self-efficacy theory-based foot care behavior education program. A similar educational program involving a larger sample of elderly patients with diabetes in public long-term care institutions is required in the Malaysian setting. Continued sustain from universities and the state institutions with the necessary resources to help elderly patients with diabetes increase patient health status [16].

In addition, two studies reported their findings from 2 experimental analyses of the self-efficacy theory of conduct shift. One study concluded that anxiety relief is due to overall sensitization of the threat increased self-efficacy. Microanalysis becomes a very correct forecaster of the rate of behavior shift after full desensitization of self-efficacy and performance. These discoveries also sustain the perspective that self-efficacy arbitrates anxiety. The second trial inquiries into the efficacy

process and behavior shift during treatment. The conclusion is that self-efficacy has been shown to be a superior forecaster of the increase in phobic behavior obtained from the mastery of some threats at various stages of handling up [3].

4.3 Leadership Practice

Teacher efficacy was also found to be influenced by what they experienced. Some of the influencing factors are stress, favoritism from the ruler and school management, time insistence, the bad personality of students, limited resources, and devices, also minimal assistance from parents and the community. Individual variables have also been exposed to influence educator stress and self-efficacy [18].

Other research in the field of leadership has shown that hierarchical regression analysis shows that awareness, competence variation, and self-efficacy are statistically important forecaster of volunteer involvement. This suggests that the effect of awareness and skill variation on volunteer involvement is arbitrated by volunteer self-efficacy [19].

Leadership practices in an organization in higher education also affect effectiveness. Programs organized or supported by the leadership can affect the efficacy of lecturers. As well as the ranking and professional development of lecturer organizations or lecturers' associations, including joint learning and its application as well as conditions and factors supporting lecturers' belief in colleagues and community efficacy of lecturers. These factors can explain the differences in the level of the organization towards the commitment of lecturers to students significantly and positively [1].

4.4 Psychology Practices

In the field of psychological studies, efficacy is also important to get attention. Efforts to increase effectiveness through computer treatment for behavioral disorders have been carried out. Measurements were made by measuring the outcome for the 8 weeks waiting for stage compared to the next treatment phase, 16 weekly kids meetings, and 2 parental psychological education touches at the start of therapy, with multilevel modeling. The main result is hostile behavior towards friends by the child's parents. Further result measures included parent evaluations and patient self-reports of hostile and prosocial conduct. No important changes occurred for any of the outcome variables during the waiting phase. During therapy, most of the result measures

assessed by parents indicated an important reduction, which was higher than the change in the waiting stage. This means that the proliferation of self-efficacy requires stages and processes. At the stage of waiting for the measurement results are lower than the measurement results. Generally, the self-evaluation result measures also indicated an important reduction during therapy, but a higher reduction than in the waiting stage was only found for hostile peer-related conduct. Computer-facilitated social skills exercise comes up to be a successful CBT interference for kids with hostile peer-related conduct [20].

This is a study with the aim of finding out what factors are better at increasing self-efficacy. The factors offered are self-instruction, self-image, goal setting, good feedback, motivation, and knowledge of results. The study discovered that teaching self-disclosure increases accomplishment better than imagery, modeling, goal setting, and feedback plus motivation and knowledge of outcomes. Motivational auditory feedback best increases self-efficacy. Increased self-efficacy shift scores were associated with developed accomplishment, not the same scores across tasks after managing for age, sex, performance motivation, and self-esteem. Some sources of self-efficacy might be more affected than others on self-efficacy and accomplishment enhancement. This study gives partial support for the sources of self-efficacy advanced by Bandura's socio-cognitive theory with verbal persuasion but not representative experiences that enhance self-efficacy [21].

This research involved mothers in raising their children. The outcomes of this research show that there is an important good connection between resilience and hope but resilience and expectation do not have an important connection with self-efficacy. Multiple hierarchical regression studies showed that resilience and expectation did not forecast self-efficacy. That is, it is necessary to consider the socio-demographic features of mothers raising children with ASD to better comprehend their sense of self-efficacy [27].

The focus of this research was on rewards and goals that depended on performance related to children's task motivation, self-efficacy, and competence accomplishments. Children lacking in sharing competencies received sharing and problem-solving instructions. Condition 1 was that several kids were offered awards based on their true appearance (awards only); condition 2 pursued proximal accomplishment goals (goals only), and in condition 3 the kids received both rewards and

goals (reward + goal). Even though, the three experimental handlings resulted in equally fast problem solving during training, combining rewards with the goal of producing the highest divisional self-efficacy and performance [28].

5 Conclusion

The authors, from an integrated literature review, examined what enhances and impairs self-efficacy, came to two main conclusions: (1) factors such as feelings of fair treatment, well-organized activities, programs designed according to participant characteristics, stress at a manageable level of thinking, appropriate load, sense of expectation, and good experience, can increase self-efficacy, (2) on the contrary, feelings of discrimination, many problems that are difficult to overcome, lack of support, and a burdensome environment can damage self-efficacy.

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Conflict of Interest:

We declare there is no conflict of interest in the writing of this article.

Contribution of Individual Authors to the Creation of a Scientific Article (Ghostwriting Policy)

Author Contributions:

Rias Tusianah, Cucu Sutarsyah, and Muhammad Sukirlan conducted research on the gaps between previous research and parts that had not been investigated and supervised the preparation of the draft article until the article was finished.

Ridwan Ridwan and Yunis Nurmaliza drafted the article and made it completed.

Usastiawaty C.A.S Isnainy, Albet Maydiantoro, M. Arifki Zainaro, and Tubagus Ali Rachman Puja Kesuma were the comparisons in the critical discussion of the articles that were compiled.

Sources of Funding for Research Presented in a Scientific Article or Scientific Article Itself

This article was not funded by any third party and had no any sponsor of it.

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