21. Eğitimde ölçme ve değerlendirmede sınıf öğretmenlerinin öz yeterlik algıları

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Öz

Bu araştırmanın amacı, sınıf öğretmenlerinin ölçme ve değerlendirmeye ilişkin öz yeterlik algılarının bazı değişkenleri açısından incelenmesidir. Araştırmada karma yöntem türlerinden açıklayıcı desen kullanılmıştır. Araştırmanın nicel kısmı, betimsel tarama modeliyle ve devlet okullarında görev yapan 467 sınıf öğretmeninin katılımıyla gerçekleştirilmiştir. Ölçme aracı olarak, demografik bilgi formu ve "Ölçme ve Değerlendirmeye Yönelik Öz Yeterlik İnanç Ölçeği" uygulanmıştır. Nicel verilerin analizinde Nicel bulgulara göre, sınıf öğretmenlerinin ölçme ve değerlendirme süreçlerine yönelik öz yeterlik algılarının cinsiyet, kıdem, mezun olunan bölüm, öğrencileri doğru ölçtüklerine dair düşünceleri ve hizmet içi eğitim alma değişkenleri açısından farklılaştığı tespit edilmiştir. Araştırmanın nitel kısmı durum çalışması deseninde yürütülmüş olup 18 sınıf öğretmenlerinin çoğunun lisans eğitimlerini yeterli bulmadıkları, soyut konular içeren dersleri ölçme ve değerlendirmede zorlandıkları, ölçme ve değerlendirmeye yönelik hizmet içi eğitimlerin verilmesi gerektiğini düşündükleri tespit edilmiştir.

Anahtar kelimeler: ölçme ve değerlendirme, öz yeterlik, karma yöntem, ilkokul çocukları, çocuk gelişimi

Classroom teachers' perceptions of self-efficacy in measurement and evaluation in education

Abstract

The purpose of this study is to examine the self-efficacy perceptions of classroom teachers regarding measurement and evaluation in terms of some variables. In the research, explanatory design, one of the mixed method types, was used. The quantitative part of the research was carried out with the descriptive survey model and with the participation of 467 classroom teachers working in public schools. Demographic information form and "Self-Efficacy Belief Scale for Measurement and Evaluation" were applied as measurement tools. According to the quantitative findings, it has been determined that the self-efficacy perceptions of the classroom teachers towards the assessment and evaluation processes differ in terms of gender, seniority, department graduated, their thoughts about measuring students correctly, and in-service training variables. The qualitative part of the research was carried out in the case study pattern and semi-structured interviews were conducted with 18 classroom teachers. As a result of the interviews, it was determined that most of the classroom teachers did not find their undergraduate education sufficient, they had difficulty in measuring and evaluating the lessons containing abstract.

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Keywords: measurement and evaluation, self-efficacy, mixed method, elementary school children, child development

1. Introduction

Classroom teachers' self-efficacy perceptions directly influence the efficiency in their professional lives and the knowledge, skills and behavior models they will pass on to future generations. Classroom teachers who possess positive self-efficacy perceptions of themselves in different dimensions of the teaching profession are more active in their professional lives, more open to development and improvement, and more sensitive in family-student-teacher interaction. A teacher's belief in self-efficacy is a key concept that also plays a role in students' success (Rackley, 2004; Achu & Ehizuelen, 2015). It is also seen in a conceptual model that teachers' self-efficacy beliefs have an effect on their job satisfaction and students' academic achievement and predict students' previous success levels (Caprara et al., 2006).

The effect of teachers' self-efficacy perceptions on their professions was examined by practitioners and researchers in terms of different variables. Considering international studies, it is seen that teachers' self-efficacy perceptions are shaped according to such factors as classroom management, adaptation to school culture, and supervisory control. In a study conducted in Greece, the Educational Effectiveness Scale was applied to teachers and the evaluation of three effectiveness factors was examined under the headings (a) the effectiveness of teaching strategies, (b) efficacy for classroom management, and (c) the effectiveness of student participation. According to the results, there is a significant relationship between these three factors and it is concluded that the most important element in the education process is teaching strategies (Gkintoni et al., 2018). The results of a study aiming to determine the effects of principal supervision, school organizational culture and teacher self-efficacy on teacher performance in Indonesia point out that teacher self-efficacy has a significant effect on teacher performance, and professional performance enhances with increasing teacher self-efficacy (Komariyah et al., 2021).

When the studies conducted in Turkey are examined, there are numerous studies on teachers and prospective teachers' self-efficacy perceptions (Sahin & Uysal, 2013; Özaydın et al., 2017; Sata & Karakaya, 2020; Aydın & Kurt, 2022). It is seen that the subject of self-efficacy in teachers has intensified in the context of assessment and evaluation since their undergraduate education. One of them is the scale developed by Nartgün (2007), which is used to determine prospective teachers' selfefficacy perceptions of assessment and evaluation. This scale includes three such dimensions as basic concepts, assessment techniques, and statistical analysis-reporting. Sabanci and Yazici (2017) conducted a mixed-pattern study using this assessment tool and qualitative data. In the study, they examined prospective teachers' perceptions of assessment-evaluation competence in the context of gender, age, academic achievement, graduated university, and whether the assessment-evaluation education received in undergraduate was considered sufficient. As a result of the research, a significant relationship was found between the levels of prospective teachers' finding assessment-evaluation education sufficient and their self-efficacy perceptions of assessment-evaluation. In this context, it is possible to say that different teaching models can be beneficial to improve prospective teachers' selfefficacy in assessment and evaluation. As a matter of fact, it was determined that there was a significant difference in the self-efficacy beliefs of prospective teachers who were intervened with the 5E model based on life-based teaching compared to their previous situations (Dede, 2019).

In line with current studies, it is thought that self-efficacy perceptions of assessment and evaluation are important in the teaching profession since undergraduate education. The constructivist theory-based

education curriculum, which was put into practice in 2005, brought along the originalization of assessment-evaluation techniques and tools. As in the changing education system, this innovative approach in the field of assessment and evaluation has created an opportunity for teachers to evaluate themselves in the context of self-efficacy. In a study investigating teachers' self-efficacy perceptions of assessment and evaluation within the new program, it was determined that teachers thought they were sufficient in determining student achievement by using traditional assessment tools (Gelbal & Kelecioğlu, 2007). In the same study, it is stated that teachers may need training on the use and preparation of new techniques in this field in order to create a new perception of self-efficacy in teachers with the use of current assessment and evaluation tools. In a study examining primary school teachers' self-efficacy perceptions of alternative methods of assessment and evaluation tools, it was concluded that some of the assessment-evaluation tools suitable for the constructivist approach were used effectively. On the other hand, it was discovered that the use of many effective tools was not known, and in this sense, it was emphasized that classroom teachers should receive training on the use of new assessment and evaluation tools in order to develop their self-efficacy perceptions of assessment and evaluation (Karamustafaoğlu et al., 2012). Similarly, according to the research conducted by Bas and Beyhan (2016), the determination of teachers' self-efficacy perceptions of assessment-evaluation at a low level in both knowledge and skills reveals the importance of educational measures to improve teachers' self-efficacy perceptions in the context of assessment-evaluation.

The fact that the teacher's self-efficacy perceptions of himself are not sufficiently developed in the academic assessment of the child may increase the possibility of misevaluation of the child. Because teachers have the opportunity to evaluate children of similar age groups in the school environment, both socially and academically (Kaner, 2009). Children's needs and interests should be determined in accordance with their developmental level, and the objectives and other dimensions of the programs should be planned accordingly. The planned and programmed preparation of the applied education should ensure that the activities are balanced in terms of duration, sequence and variety. While this situation is ensured, whether the applied curriculum, activities and programs serve the determined purposes and whether they are permanent or not can be possible with the relevant assessment and evaluation tools (Genç, 1987; Oktay, 1999; Dikmen, 2015). When evaluated in this direction, it becomes important to examine teachers' self-efficacy in assessment and evaluation in terms of children's development.

Within the scope of the literature review, it is an educational necessity to determine teachers' selfefficacy for assessment-evaluation for all branches and to provide the necessary data for taking the relevant precautions. Considering that standard measurement tools are not used in the first three years of primary school and the quality of assessment-evaluation is based on the knowledge, skills and observation of the teacher, it is important to investigate the effects of classroom teachers' self-efficacy on assessment-evaluation. In addition, it is seen that there are not enough studies within the framework of classroom teachers' self-efficacy perceptions of assessment and evaluation in child development context. It is thought that the findings obtained in the current study, in which classroom teachers' selfefficacy perceptions of assessment and evaluation are examined based on different variables, are important in terms of presenting data to practitioners and decision makers.

2. Method/Materials

2.1. Research Design

In the study, explanatory design, one of the mixed methods, was used to comprehend teachers' selfefficacy in more detail. Because, although it is thought that it is not always possible to obtain in-depth data in scientific studies conducted with large groups, it is also known that it may be better to obtain indepth data from small groups (Büyüköztürk et al., 2012). The explanatory design is defined by Creswell and Clark (2014) as the process of collecting qualitative data by revealing the important points after obtaining the quantitative data.

While planning the quantitative part of the study, the descriptive survey model was used. Screening models are studies that are conducted as a result of collecting data from the sample group determined on the current or past variables for the predetermined situation without any influence of the researcher. Screening models are divided into different types according to the type of study (Büyüköztürk, 2013). The descriptive survey model is a survey model that aims to describe a previous or current situation by examining it from different aspects (Karasar, 1999). The qualitative part of the study was planned in the case study pattern. Merriam (2013) defines the case study as an in-depth examination of how a limited system works. In this context, it has been tried to discover how teachers' self-efficacy in assessment and evaluation works.

2.2. Sample

The universe of the research is the classroom teachers working actively in the 2021-2022 academic year. The sample of the quantitative part of the research consists of 467 classroom teachers working in public schools affiliated to the Ministry of National Education. The study group of the qualitative part consists of 18 classroom teachers. In the selection of the sample and study group of the research, non-probability convenient sampling (easily accessible sampling) method was used. In this sampling method, in case of existing limitations such as money, time and labor, the sample is selected from units that can be applied and easily accessible (Büyüköztürk, 2012).

Demographic data about the teachers participating in the study are given in Table 1.

| Sample | Variable | Participant | F | % |
|-----------------------|--------------------------------|---|------------------------------------|--|
| | Gender | Female | 292 | 62.5 |
| | Gender | Male | 175 | 37.5 |
| | | 1-5 year | 45 | 9.6 |
| | | 6-10 year | 53 | 11.3 |
| Quantitative Research | Soniority | 11-15 year | 98 | 21.0 |
| Sample | Semonty | 16-20 year | 119 | 25.5 |
| | | 21-25 year | 90 | 19.3 |
| | | 26 years and over | 62 | 13.3 |
| | Craduated Faculty | Education faculty | 403 | 86.3 |
| | Graduated Faculty | Other | 64 | 13.7 |
| | Seniority Graduated Faculty | 6-10 year 11-15 year 16-20 year 21-25 year 26 years and over Education faculty | 53 98 119 90 62 403 | 11.3 21.0 25.5 19.3 13.3 86.3 |

 Table 1. Teacher's demographic information

Adres RumeliDE Dil ve Edebiyat Araştırmaları Dergisi e-posta: editor@rumelide.com tel: +90 505 7958124 Address RumeliDE Journal of Language and Literature Studies e-mail: editor@rumelide.com, phone: +90 505 7958124

| | Thinking they measu | 1 | 413 | 88.4 |
|----------------------|------------------------|-----------|----------------------------------|-------------------|
| | their students correct | ly No | 54 | 11.6 |
| | | Total | 467 | 100.0 |
| | Participant | Gender | Professional seniority (Year) | Enjoying teaching |
| | P1 | Female | 10 | Yes |
| | P2 | Female | 24 | Yes |
| | P3 | Male | 16 | Yes |
| | P4 | Female 8 | | Yes |
| | P5 | Male | 8 | Yes |
| | P6 | Female | 6 | Yes |
| | P7 | Male | 17 | Yes |
| Dualitative Research | P8 | Male | 12 | Yes |
| Group | P9 | Female | 6 | Yes |
| | P10 | Female 17 | | Yes |
| | P11 | Male | 16 | Yes |
| | P12 | Female 11 | | Yes |
| | P13 | Male 11 | | Yes |
| | P14 | Male | 10 | Yes |
| | P15 | Female 16 | | No |
| | P16 | Male | 19 | Yes |
| | P17 | Female | 11 | Yes |
| | P18 | Female | 18 | Yes |

While 25.5% of the teachers whose data were collected for the quantitative part of the study had a seniority between 16-20 years, the average of the professional seniority of those who participated in the qualitative part was determined as 13.1. 62.5% of the participants in the quantitative part of the study and 55.6% of those who participated in the qualitative part of the study were females. It is seen that only one participant in the qualitative part does not like her profession. In addition, the average age of the teachers participating in the quantitative study was 40.04.

2.3. Data Collection Tools

In order to obtain the participants' demographic information, the "Demographic Information Form" consisting of 6 questions prepared by the researcher was used.

Quantitative data in the study were collected using the "Self-Efficacy Belief Scale for Assessment and Evaluation" developed by Özdemir (2008). The scale consists of three sub-dimensions. The Cronbach Alpha internal consistency coefficient ratios reached in line with the development of the measurement tool are as follows; It was found to be .67 for the "Planning" factor; .84 for the "Application" factor; .76 for the "Evaluation" factor and .88 for the whole scale. The intervals in answering the items in the scale

were designed in a five-point Likert type. These intervals are expressed as "1-I totally disagree" and "5-I totally agree".

As a qualitative measurement tool, semi-structured interview questions were developed to gain in-depth information about classroom teachers' self-efficacy in assessment and evaluation. In line with the opinions of experts in the field of Child Development, Classroom Education and Assessment and Evaluation, a semi-structured interview form with 9 questions was used.

2.4. Data analysis

Before applying the quantitative analyses of the study, whether the dimensions of the scale meet the assumptions of normality and homogeneity and its descriptive statistics are examined in Table 2.

| Dimension | Ν | <u>X</u> | Median | Mode | S.d. | Skew. | Kurto. | Min | Max |
|-------------|-----|----------|--------|------|-------|-------|--------|-----|-----|
| Planning | 467 | 33.30 | 33 | 40 | 4.88 | 86 | 2.31 | 8 | 40 |
| Application | 467 | 81.87 | 83 | 95 | 10.35 | -1.29 | 4.88 | 19 | 95 |
| Evaluation | 467 | 54.96 | 54 | 52 | 7.38 | 67 | 1.53 | 13 | 65 |

Table 2. Descriptive statistics of prospective teachers' self-efficacy beliefs about the teaching process scale

According to the Kolmogorov-Smirnov test performed in this direction, it was observed that the data did not show normal distribution (p<0.05). In addition, as a result of the analysis of the Q-Q Plot and Histogram graphs of the dimensions, and the Skewness-Kurtosis coefficients, it was supported that the data were not normally distributed. Therefore, non-parametric tests were used. Spearman correlation analysis was used to determine the relationship between age and scale dimensions. Cohen (1988) states that there is a small relationship for r=.10 and .29, moderate for r=.30 and .49, and a large relationship for r=.50 and 1.00. In the qualitative part of the study, in-depth interview questions developed by the researchers were collected via telephone interviews with the participants. Approximately 10-15 minutes of interviews were held with each participant. The interviews were audio recorded and transcribed. The findings were divided into themes and sub-themes through the MAXQDA package program within the framework of the common views of the two researchers. After the researchers independently distributed the interviews into themes and sub-themes, they reached a common consensus and formed the final version.

3. Findings

3.1. Quantitative Findings

Table 3 presents the Mann Whitney U Test results of the teachers' scores on the Self-Efficacy Beliefs Related to the Teaching Process Scale according to their gender.

| Dimensions | Gender | Ν | Rank mean | Rank total | U | Z | р |
|-------------|--------|-----|--------------|---------------|------------------|--------|-------|
| Planning | Female | 292 | 224.95 | 65685.50 | 00007 500 | -1.878 | .060 |
| rianning | Male | 175 | 249.10 | 43592.50 | 22907.500 | -1.0/0 | .000 |
| Application | Female | 292 | 226.45 | 66123.50 | 00045 500 | 1 = 60 | .118 |
| Application | Male | 175 | 246.60 | 43154.50 | 23345.500 | -1.563 | .110 |
| Evaluation | Female | 292 | 224.17 | 65458.00 | 00680.000 | 0.0.41 | 0.41* |
| Evaluation | Male | 175 | 250.40 | 43820.00 | 22680.000 -2.041 | | .041* |

| Table 3. Mann Whitney U Te | est result of the difference accord | ding to the teachers' gender |
|----------------------------|-------------------------------------|------------------------------|
|----------------------------|-------------------------------------|------------------------------|

*p<0.05

According to the Mann Whitney U test result given in Table 3, no significant difference was found in the Planning and application dimensions according to the gender variable (p>0.05). It was observed that there was a significant difference according to gender in the evaluation dimension (U=2680.000, z=-2.041, p<0.05). It is seen that the difference is in favor of male teachers. Accordingly, male teachers' self-efficacy beliefs about the teaching process are significantly higher than female teachers in the evaluation dimension.

In Table 4, the Mann Whitney U Test results of the scores obtained by the teachers from the Self-Efficacy Beliefs Related to the Teaching Process Scale according to the faculty they graduated from are presented.

| Dimensions | Faculty | Ν | Rank mean | Rank total | U | Z | р |
|-------------|-------------------|-----|--------------|---------------|------------------|--------|------|
| Planning | Education faculty | 403 | 230.38 | 92841.50 | 11 495 500 | -1.461 | 144 |
| Planning | Other | 64 | 256.82 | 16436.50 | 11435.500 | -1.401 | .144 |
| Application | Education faculty | 403 | 229.38 | 92440.50 | 11004 500 | -1.858 | 060 |
| Application | Other | 64 | 263.09 | 16837.50 | 11034.500 | -1.050 | .063 |
| Evaluation | Education faculty | 403 | 227.26 | 91585.50 | 10150 500 | 0 510 | 007* |
| Evaluation | Other | 64 | 276.45 | 17692.50 | 10179.500 -2.719 | .007* | |

Table 4. The Mann Whitney U Test result of the difference according to the faculties of the teachers

*p<0.05

According to the results given in Table 4, no significant difference was found in the planning and application dimensions according to the faculty type variable (p>0.05). It was observed that there was a significant difference in the evaluation dimension (U=10179.500, z=-2.719, p<0.05) according to the type of faculty graduated. It is seen that the difference is in favor of the teachers who graduated from other faculties. Consequently, teachers graduating from other faculties have statistically significantly higher self-efficacy beliefs regarding the teaching process than teachers graduating from education faculties in the evaluation dimension.

In Table 5, the Mann Whitney U Test results of the scores obtained from the Self-Efficacy Beliefs in the Teaching Process Scale according to the teachers' thinking that they measure their students correctly are presented.

| Dimensions | Measuring correctly | Ν | Rank mean | Rank total | U | Z | р |
|-------------|------------------------|-----------|------------------|----------------------|----------|--------|-------|
| Planning | Yes No | 413 54 | 245.81 143.64 | 101521.50 7756.50 | 6271.500 | -5.249 | .000* |
| Application | Yes No | 413 54 | 243.30 162.84 | 100484.50 8793.50 | 7308.500 | -4.125 | .000* |
| Evaluation | Yes No | 413 54 | 243.11 164.32 | 100404.50 8873.50 | 7388.500 | -4.050 | .000* |

 Table 5.
 The Mann Whitney U Test result of the difference according to teachers' correct measurement opinions

*p<0.05

According to the results of the Mann Whitney U test given in Table 5, it was seen that there was a significant difference in the dimensions of planning (U=6271.500, z=-5.249, p<0.05), application (U=7308.500, z=-4.125, p<0.05) and evaluation (U=7388.500, z=-4.050, p<0.05) in terms of thinking about measuring correctly. It is seen that the difference in all dimensions is in favor of the teachers who think that they measure correctly. As a result, there is a statistically significant difference between the teachers who think they measure their students correctly and those who do not think they measure their students correctly and evaluation of self-efficacy beliefs about the teaching process.

In Table 6, the Spearman Correlation results of the relationship between the teachers' ages and the scores they obtained from the Self-Efficacy Beliefs in the Teaching Process Scale are presented.

| Variable | Spearman's Rho | Planning | Application | Evaluation |
|----------|----------------|----------|-------------|------------|
| | Rho (r) | .206** | .133** | .174** |
| Age | р | .000 | .004 | .000 |
| | Ν | 467 | 467 | 467 |

Table 6. The relationship between teachers' ages and self-efficacy

**p<.01 (2-tailed)

When the relationship between the teachers' ages and the scores they obtained from the planning, application and evaluation dimensions are examined, it can be said that there is a small statistically significant positive relationship between age and self-efficacy beliefs regarding the teaching process in terms of the dimensions of planning, application and evaluation (Table 6). Accordingly, it can be said that as the teachers' ages increase, their self-efficacy beliefs about the teaching process also enhance in the dimensions of planning, application and evaluation.

3.2. Quantitative Findings

As a result of the content analysis, teachers' self-efficacy for assessment and evaluation was examined. The opinions received from the teachers. When teachers' views on their self-efficacy were examined. Teachers' evaluations of the education they received while they were undergraduates, the difficulty of assessment, the benefits of assessment and evaluation, and their views on in-service training for assessment and evaluation are included. When the benefits they received in undergraduate education were examined, most of the teachers did not find the education they received in the undergraduate education sufficient. For this general view, P18 says, *"The lessons were not practical. I think that the lectures that are focused on theory are not efficient. I entered university in 1998. In those years, technology was not as advanced as it is today. The Internet was not very common; there were no tools such as WEB2.0 tools, and Google forms. In assessment and evaluation, basic concepts such as*

multiple choices test preparation and open-ended preparation were taught theoretically. In the years when I started teaching, I tried to prepare enjoyable measurement tools using cartoon characters. My aim was to enable the child to develop a positive attitude towards assessment and evaluation and to learn while having fun." However, there are also opinions of teachers who think that the education they received is beneficial. P3 expresses the benefit of the education he received in the field of assessment and evaluation in his undergraduate education as follows: "Obviously, although the courses I took at university seem to be of little use in theory when I think about it, I see the effects of what I received at that time when I evaluate in the process and during the synthesis of the data obtained as a result of assessment."

When the difficulty of measurement is examined, it is seen that teachers have difficulties in abstract lessons. P4 expresses her difficulties as follows: "Due to the crowdedness of my class, I sometimes have difficulties in following each of my students on a process-based basis. If I don't take notes momentarily, it can escape my notice. In this sense, it is necessary to be planned. Since I am not a very organized person in general, sometimes I have a hard time. In addition, learning may not always be observed concretely. When I look at their performance in the classroom, some of my students do not answer because they are shy or do not want to answer, even though they know the answer. This may prevent me from evaluating them in the process." Similarly, P11 expresses "I should state that the 'must be improved, good and very good' grades in the 1st, 2nd and 3rd grades put teachers in a very difficult situation. Having to give the same grade to students with very different qualifications in this system saddens me conscientiously. I think that the 5-point (applied in the 90s) evaluation is much more logical and useful." He points out that this difficulty stems from the education system.

When the subject is approached from a different angle, the points where teachers feel inadequate should also be evaluated. P13 states "The fact that there is a lack of materials in village schools rather than insufficiency makes our work even more difficult. For example, Physical Education and Game lesson. We can also add Visual Arts course." He talks about the difficulty created by the lack of materials in the practical courses. P18 draws attention to the lack of infrastructure in such classes and expresses her views as follows: "I feel inadequate in painting and music classes. Since we do not receive adequate training in these courses, we give very high grades. Apart from this, one of the courses that I am incapable of although I have a good command of the courses is Turkish. Because in Turkish lessons, attitudes such as participation in the lesson and taking the right to speak, other than concrete measurement tools, come into play. I think that I evaluate subjects such as mathematics more clearly because their boundaries are clear."

When the teachers' opinions about which methods are more useful in assessment and evaluation are examined, P2 expresses his thoughts as follows: "Since I work with primary school students, I think it is best to evaluate each student within himself and not make comparisons. Because every child's starting level and ability are not the same. The important thing is to evaluate the child's initial level and the last level reached and this process. I think that several methods should be used rather than a single evaluation method. Oral, multiple-choice exams, gap filling and matching, open-ended written exams, performance and a little bit of project work, peer and self-assessment are the methods I use." P6 says, "I usually use the method of observation and drama. I think these two methods are useful."

When the teachers' opinions on the need for in-service training on assessment and evaluation are examined, it is seen that they think that face-to-face training should be given. P5 points out *"Yes, it should be given. I want all our friends, experienced or inexperienced, to improve themselves. I think*

that these trainings should also be face to face. I don't think distance education is efficient enough. This topic is very broad, so I could write so much here. But while these trainings are being prepared, I think that they should prepare a training taking into account the opinions and wishes of fellow teachers from different schools and from different segments." P8 signifies, "Yes, I think so. These trainings should be taken face to face and there should be applications in the process, with feedback. Individual and collective assessment. A teacher should be able to prepare his own assessment and evaluation. Also, a teacher should be able to deliver what he/she has prepared according to the needs and situation of the classroom to his/her students. It should not be dependent on source books and educational sites."

4. Discussion and Conclusion

This research aims to examine classroom teachers' self-efficacy perceptions of teaching processes in terms of different variables. According to the results, while there was no difference in the subdimensions of planning and application in terms of gender, there was a difference in favor of male teachers in the dimension of evaluation. When the literature is examined, it has been observed that teacher self-efficacy does not differ in terms of gender, mostly in parallel with the research findings (Taşkın & Hacıömeroğlu, 2010; Kaçar, 2016; Ayra & Kösterelioğlu, 2016; Güneş, 2016; Özkurt, 2017; Erkoç, 2017; Sağlam, 2018; Demirhan, 2019; Şahin, 2019; Duman, 2020; Elgit, 2020; Kaşçı, 2021). However, it is seen that there are studies showing the results of differences in terms of gender (Korkut & Babaoğlan, 2012; Yeşilyurt, 2013; Selçuk, 2016; Baloğlu, 2020). In addition to the studies in which female teachers' self-efficacy levels are higher than males (Başer et al., 2005; Baş & Beyhan, 2016), there are also studies in favor of male teachers, similar to the evaluation findings of the current study (Pektaş, 2010). It is seen that there are various studies in the literature in terms of both self-efficacy perceptions in general and evaluation sub-dimension and different findings are obtained. This difference is thought to be due to the fact that it was carried out in different years and in different sample groups.

When the teachers' self-efficacy perceptions in terms of the faculty they graduated from were compared in the study, there was no difference in terms of planning and application sub-dimensions, but a difference was found in favor of the graduates of other faculties in the evaluation sub-dimension. When the literature on the subject was examined, Yokuş et al. (2017) found that those who received formation education had higher self-efficacy perceptions than the students of the faculty of education. Similarly, Arastaman (2013) found that teachers who graduated from the faculty of science and literature had higher attitudes towards the profession than teachers who graduated from the faculty of education. On the other hand, in their studies with prospective teachers, Elkatmış et al. (2013) found that self-efficacy beliefs did not make any difference in terms of faculty types. Also, Üstüner et al. (2009) found that there was no difference in terms of the type of higher education institution graduated from in their studies with secondary school teachers. When the literature is examined only in terms of the evaluation dimension, it is seen that participants' attitudes towards the assessment-evaluation course differ for those who take formation at the student level and those studying at the faculty of education (Süral, 2014; Altun, 2017). Süral (2014) obtained findings in favor of education faculty students in the dimensions of importance and cognitive competence, and in favor of formation students in the dimension of negative approach. While Altun (2017) found a difference only in the level of importance, it is seen that this difference is in the education faculty students. Aktaş and Alici (2013), on the other hand, discovered that there was no significant difference, inconsistent with other research findings. In the light of all this information, while there was no finding in favor of pedagogical formation among the groups for the assessment-evaluation course during the student life, it is an issue that should be examined that the

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graduates of different faculties at the teaching level have higher self-efficacy assessment sub-dimension perceptions than the graduates of the faculty of education.

It was examined whether the perceptions of the teachers participating in the study about whether they measured their students correctly or not differed, and it was found that there were differences. It was seen that these differences were in favor of the teachers who stated that they measured their students correctly. No similar study was found in the literature review. In this context, it is an expected result that the teachers who think that they measure correctly will create a significant difference in the assessment dimension. However, whether there is a significant difference in the dimensions of planning and implementation emerges as a subject that can be researched.

In the study, the relationship between teachers' ages and their self-efficacy levels was examined and a small and positive significant relationship was found in all sub-dimensions. When the literature regarding the finding is examined, it is seen that there are parallel findings with the current study as well as studies that do not have a relationship. In this context, Çimen (2007), Koç (2013), Uysal and Kösemen (2013), Ayra and Kösterelioğlu (2016), Şahin (2019) and Kaşçı (2021) obtained different findings from the current research findings in their studies. On the other hand, Güneş (2016), Erkoç (2017) and Duman (2020) reached results in parallel with the current research findings in their studies. Although there are different findings in the literature, it can be stated that the relationship between age variable and self-efficacy is an expected result, considering that professional seniority, as another variable in the research, causes differentiation in the planning and evaluation dimensions of self-efficacy perception. At the same time, it can be expressed that professional seniority does not cause differentiation in the practice dimension of self-efficacy, but although the meaningful relationship level of age and practice dimension seems to be contradictory, the reason for the very low level of relationship may stem from this. It is also thought that different findings on the subject may be due to different samples in the studies and applications at different times.

When the quantitative and qualitative data of the study are evaluated together, it is seen that teachers' self-efficacy in assessment and evaluation is affected by various variables. It is concluded that teachers need various trainings on their self-efficacy for assessment and evaluation in education. It has been stated by the teachers that there are numerous deficiencies in the evaluation of children. As can be seen from the quantitative data, it has been found that male teachers have higher self-efficacy than female teachers, those with higher professional seniority have higher self-efficacy than those with less experience, and teachers who graduated from education faculties have lower self-efficacy than those who graduated from other faculties. Considering the importance of conscious assessment and evaluation in determining the educational situations that require early intervention at primary school level, teacher groups that need to be supported in assessment and evaluation can be determined according to the findings obtained in the current study.

Child Development Perspective

When the relevant findings in terms of child development are examined, measures should be taken to improve teachers' self-efficacy perceptions of assessment and evaluation so that the academic development of children can be accurately measured and necessary interventions can be made. Because developmental delays such as specific learning difficulties that the family does not realize can be noticed in the primary school period. Identifying situations that require such early intervention depends on a healthy assessment-evaluation process.

5. Recommendations

The following suggestions were developed within the framework of the limitations of the study, findings and literature:

- Self-efficacy differed significantly in favor of male teachers only in the evaluation sub-dimension in terms of gender variable. When the literature was examined, it was seen that many different findings were obtained. From this point of view, a qualitative dimension can be added to the reasons why this variable, which is frequently examined quantitatively, may or may not make a difference in future studies. The subject can be examined in depth via teacher interviews or observations.
- When the relationship between self-efficacy and age variable is examined, it is seen that many different studies have been conducted. However, it can be stated that the subject of assessment-evaluation self-efficacy has not been examined much. In future studies, the age variable as a demographic variable can be examined for assessment-evaluation self-efficacy.
- It has been noticed that the self-efficacy of teachers who think that they measure students correctly is high. At the same time, teachers who receive in-service training have high self-efficacy. In-service trainings to be organized within this scope should be disseminated and encouraged in order to increase teachers' self-efficacy.
- It is an unexpected result that teachers graduating from different faculties have higher selfefficacy levels compared to teachers graduating from education faculties and that similar results are obtained in the literature. In the literature, especially in terms of assessment-evaluation competence, while education faculty students have a higher perception of competence at the student level, it is suggested that the resources that reverse this situation in teaching should be discussed in future studies.

Ethics Committee Approval Information

As of 2020, researchers applying are required to upload the Ethics Committee Approval Document. This study was performed in line with the principles of the Declaration of Helsinki. Ethics approval was obtained from the Ethics Committee Board of author's university in accordance with the Declaration of Helsinki with 03.03.2022 date and with E.35602 number.

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