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UNIVERSITAS NURUL JADID  
PROBOLINGGO JAWA TIMUR**

PP. Nurul Jadid  
Karanganyar Paiton  
Probolinggo 67291  
☎ 0888-3077-077  
lp3m@unuja.ac.id

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**ACHMAD FAWAID, M.A., M.A.**

NIDN. 2123098702

# to boost

*by* Syaiful Islam

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1

To Boost Students' Motivation and Achievement thru Blended Learning Abstract. This observe goals to decide variations in motivation and scholar success among college students the use of direct studying version and college students the use of combined studying version, enhancing motivation and scholar success through making use of combined studying version of college students of SMKN 1 Kraksaan. The quasi-experimental observe used corporations, the experimental organization the use of combined studying version and manage organization the use of direct studying version. The populace of this studies is the scholars of Eleven Grader of SMKN 1 Kraksaan. The end result of the studies indicates that there may be a massive distinction among college students' motivation and success the use of combined studying version and college students the use of direct studying version, there may be a massive growth of college students' motivation and success because of the combined studying version, and there may be no interplay of the impact of the software of studying version and motivation to scholar success. 1. Introduction Education is one vital detail withinside the improvement of a country. Education is the most important subject offunding in constructing and shaping men [1]. The development of a country is decided through the pleasant of its human resources. Efforts aimed toward bringing a fantastic impact on schooling in Indonesia [2]. schooling in this situation is likewise the primary capital in dealing with the future [3]. The definition of schooling withinside the Law of the Republic of Indonesia No.20 of 2003 at the countrywide schooling machine article 1 is a aware and deliberate attempt to create an environment of studying and studying method in order that newbies actively increase their capacity to have non secular strength, self-manage, personality, intelligence, noble character, in addition to the essential abilities of himself, society, country and state. In different phrases schooling is a studying attempt that goals to increase the capacity of newbies that make it mature in diverse components wished for him, society, country and State. Each academic institution (kindergarten, elementary, junior excessive and excessive faculty) has its reason, referred to as an institutional reason, inclusive of a wellknown reason and a particular reason. The wellknown goals of the institute result in the established order of true citizens, the mastery of wellknown academic consequences, the usage of positive jobs, the availability of dwelling in society, the premise for persevering with observe. Specific desires result in the improvement of components of know-how, values and attitudes, in addition to abilities. 1 The improvement of the data and conversation era region as one of the converting merchandise of the instances gives new matters for schooling. Utilization of data and conversation era in schooling, normally known as e-studying is assumed to enhance the pleasant of studying [4]. First is the openness and capacity of college students in the use of data and conversation era. Forms of net-primarily based totally conversation which include blogs, dialogue forums (bulletin board), social networking, on the spontaneous messaging and email has emerge as a not unusualplace medium / regular conversation device. The 2d component is the less expensive price of data and conversation era in order that data era turns into a part of regular existence. Learning through digital technique or so-referred to as digital studying (e-studying) gives a brand new strategies of coaching and studying. E-studying may be taken into consideration as a device self-observe of college students or additionally as a device withinside the conventional lecture room [5]. As an unbiased studying device, e-studying gives coaching irrespective of location and time of observe. Students can research everywhere and each time. E-studying can act as a digital trainer. As a studying resource device, e-studying gives help while traditional studying that calls for the method of face-to-face among college students and teachers can't be achieved. Conventional studying (classical studying) is not absolutely a mainstay, however withinside the midst of technological advances these days required loads of strategies that offer extra possibilities to

research through using diverse sources, now no longer simply from manpower in addition to instructors. The studying required is to make use of the data era detail, leaving no direct steering from the trainer and the broader use of studying resources. This idea is regularly additionally termed through the integration of e-studying with traditional studying so-referred to as combined studying [6]. Teachers are one of the vital elements which could decide the achievement or failure of college students in studying. The capacity of instructors as one attempt to enhance the pleasant of faculty schooling desires attention [7]. Ability in query is the capacity to train through making use of the proper version of studying with constant attention, amongst others, fabric, time and wide variety of college students within the lecture room. Teachers within the capacity of coaching is anticipated to supply fabric to generate scholar creativity and without problems ordinary through college students. To obtain the instructional desires of a trainer is needed to make a studying revolution in order to enhance scholar studying motivation [8]. With an excessive motivation to research it's going to inspire scholar studying achievement with marked excessive studying effects as well. The improvement of technological know-how and era (IPTEK) in diverse spheres of existence make contributions to coloring the arena of schooling. [9] With the improvement of Science and Technology is answering the trouble needs a trainer who's required to innovate in making use of the version, approach and studying media so that scholars aren't without problems bored and may create new studying motivation. version or approach as a manner to carry data, even as the media used to carry a message within the shape of coaching substances and contained in it [10]. As said through Hamalik, there are numerous elements which could inspire scholar's studying motivation: (1) which means, (2) modeling, (three) open conversation, (four) prerequisite, (five) novelty, (6) exercise / exercise lively and meaningful, (7) divided workout, (eight) systematically lessen studying compulsion and (nine) favorable conditions [8]. One of the elements which could inspire scholar studying motivation is novelty (some thing new). Hamalik indicates that new or character studying patterns and equipment for college kids can be extra exciting for them to research, which include by no means earlier than visible [11]. This observe goals to decide the effectiveness of combined studying on scholar motivation and success.

## 2. Blended Learning

The use of data era software (e-studying) as a studying medium has an increasing number of been encountered in schooling. The idea of e-studying really offers a brand new nuance to the instructional method that has been handiest primarily based totally at the life of instructors. According to Clark & Mayer that e-studying is studying this is provided with the assist of computers [12]. The letter "e" in e-studying method that the given fabric is virtual so it could be saved in a digital device. E-studying illustrates that with the life of data and conversation technologies, mainly the Internet, studying turns into extra open and flexible, takes place each time, everywhere and with and to each person in any location (distributed), primarily based totally community. According to Castle and McGuire, e-studying can beautify the studying they enjoy due to the fact college students can observe everywhere and below any occasions so long as they connect with the net while not having to comply with direct studying [11]. Blended studying is a versatile method to designing applications that aid an aggregate of exclusive instances and locations to research. According to Rovai and Jordan, combined studying version is basically an aggregate of studying excellence this is achieved head to head (direct studying) and digital (e-studying) [13]. Online studying or e-studying in combined studying turns into a herbal extension of conventional lecture room studying the use of direct studying. Through the combined studying version, the studying method can be extra powerful due to the fact the traditional studying method can be assisted through e-studying studying which in this situation stands at the data era infrastructure and may be

achieved each time and everywhere. In addition, in step with Jusoff and Khodabandelou, combined studying now no longer handiest reduces the gap that has existed amongst college students and instructors however additionally growth interplay among the 2 sides [14]. Based on the percentage of content material brought on-line, Allen et al gives a clean categorization of combined studying, conventional studying, internet-facilitated and on-line studying [15]. See desk 1. Table 1. Proportion of Content Delivered Online Proportion of Content Delivered Online Type of Course Typical Description

| Percent Traditional Course | and not using a on-line era used  | Web Facilitated   | delivered in writing or orally.   |
|----------------------------|---|---|---|
| 1 to 29%                   | Course which makes use of internet-primarily based totally era to facilitate what is basically a face-to-face path. | 30 to 79%   | Blended/Hybrid system (CMS) or internet pages to submit the syllabus and assignments, for example.                  |
| 80%+                       | Online face-to-face delivery.   | Substantial percentage of the content material is brought on-line, normally makes use of on-line discussions, and normally has a few face-to-face meetings. | A path wherein maximum or all the content material is brought on-line. Typically haven't any face-to-face meetings. |

Source: Allen, E, Seaman, J & Garrett, R. (2007). Blending in: The volume and promise of combined schooling in United States, Annual Report, Sloan Consortium From desk 1 it could be visible that a lesson is stated to be within the shape of combined or hybrid while the part of e-studying is at 30-79% variety is mixed with direct studying (direct studying). On the opposite hand, the version combined studying encourages educators to alternate the instructional paradigm of trainer-targeted studying towards scholar-targeted studying. According to Carman, there are 5 keys to put into effect studying through the use of combined studying, namely: 1. Live Event, direct studying synchronously within the equal time and location or equal time however exclusive location. 2. Self-Paced Learning, ie combining with self-paced studying that allows contributors to research each time, everywhere on-line. three. Collaboration, integrate collaboration, each trainer collaboration, and collaboration amongst observe contributors. four. Assessment, the fashion dressmaker ought to have the ability concocting a aggregate of each testmen sorts on-line and offline which are each check and non-check. five. Performance Support Materials, make certain studying substances organized in virtual shape, accessible to newbies each offline and on-line [16]. The combined studying integrates innovation and technological development thru machine on-line studying with the interplay and participation of conventional studying version. In the studying version to use a aggregate of studying method version in head to head with the studying method on-line. Tayebnik & Puteh defined that during studying Blended Learning, college students aren't simply counting on that fabric furnished through the trainer, however can seek the fabric in diverse ways, amongst others, looking the library asking pals or classmates on-line, starting websites, looking for studying substances thru seek engine, portal, or blog, or it may be with the media different media within the shape of studying software program and additionally academic studying [17]. See parent 1. on-line elegance conventional elegance combined studying Figure 1. Scheme Blended Learning (Tayebnik & Puteh) Meanwhile, in step with Graham, There are three motives why the use of Blended Learning this is, (1) stepped forward pedagogy; (2) improved get admission to and flexibility; and (three) improved price-effectiveness [18]. three. Learning Motivation Winkel defines motivation to research is all of the efforts inside oneself that results in studying sports, and make sure the continuity of studying sports and provide path to the sports of studying sports in order that the favored aim is achieved [19]. Learning motivation is a mental thing this is non-highbrow and performs a position in developing the spirit of studying for individuals. Learning motivation is the power of the studying method and the aim of studying is

to enjoy the studying method. Some college students have troubles in studying that bring about studying success now no longer according with the anticipated. To triumph over the troubles experienced, it's miles essential to hint the elements that impact the studying consequences of that is the studying motivation of college students, wherein the incentive to research is an absolute requirement for studying, and substantially provide a massive impact in offering ardour or enthusiasm in studying [20]. Whereas, Alderfer states that studying motivation is the tendency of college students in doing all studying sports pushed through the preference to obtain the high-satisfactory success or studying consequences [21]. Motivation to research is a completely unique position is as a boom of ardour in every character, and creates a feel of motivation to research. Students who've excessive motivation could have the spirit and loads of strength to carry out their every day According to Djamarah, the incentive to research on every character may be exclusive, so there are college students who simply need to keep away from horrific grades even to keep away from punishment from instructors, and orientation handiest to get excessive rating, however there also are college students who really need to increase perception and know-how [22]. Motivation and studying are matters which are related. Motivation to research is the primary component in doing studying sports, in order that with out motivation a person will now no longer do studying sports. Motivation as a motivator for a person to do some thing for the reason favored through the scholars. Starting from the incentive to research someone has the spirit to be higher than the studying sports. four. Understanding of Learning Achievement Learning success is a sentence inclusive of phrases, success and studying. To recognize extra approximately the which means of studying success, researchers describe the which means of each phrases. According to Djamarah in his e-e book Achievement of Learning and Teacher Competence, that success is what has been created, the effects of labor, the effects of the amusing this is acquired through manner of labor perseverance [23]. In the equal e-e book Nasrun Harahap, argues that success is an academic evaluation of the development and development of college students in regards to mastery of the lesson fabric provided to the scholars. From the above understanding, it could be concluded that the success is the end result of an interest of someone or organization that has been achieved, created and please the coronary heart acquired through manner of labor. Furthermore, to recognize the perception of studying follows recommend a few feel of studying amongst others in step with Slameto that studying is an strive made a person to achieve a brand new conduct alternate as a whole, because of his very own enjoy in interplay with the surroundings [24]. While Muhibbin Syah (2010) that studying is the ranges of alternate for the duration of the character conduct is pretty settled because of enjoy and interplay with the surroundings that entails cognitive processes [24]. Likewise, in step with James Whitaker, studying is a method wherein conduct is generated or modified thru exercise and enjoy [18]. Based on a few reviews above that studying is a aware and recurring sports performed on someone so so that it will enjoy character adjustments each know-how, abilities, attitudes and conduct attributable to the method of workout and enjoy of the character itself in interacting with the surroundings. [25] According to Winkel stated that "studying success is a evidence of the achievement of studying or capacity of a scholar in doing studying sports according with the load achieved" [19]. According to Ahmadi and Supriyono (1990), studying success is the end result of interplay among different factors influencing each inner and outside elements [21]. Based on a number of the above limitations, studying success may be interpreted as actual abilities that may be measured within the shape of know-how, mind-set and abilities as an lively interplay among the problem of studying with studying items throughout the studying method to obtain studying consequences. five. Research Method This studies is a quantitative

studies the use of experimental studies technique. The studies layout used on this studies is Quasi-Experimental with Nonequivalent Control Group Design. The studies web website online is placed at SMKN 1 Kraksaan Probolinggo. The populace on this observe is the elegance XI of all of the competency of information in SMK Negeri 1 Kraksaan inclusive of four training with overall college students 120. The composition of the wide variety of college students of sophistication is as follows: (1) elegance XI Multimedia 30 college students, (2) elegance XI RPL 27 college students, three) elegance XI AVI 30 college students, and (four) elegance XI Intrik 33 college students. All college students withinside the 4 training in precept have the equal simple laptop abilities. The dedication of the manage elegance and the experimental elegance is achieved through drawing technique from the 4 installed training, even as the closing training are drawn once more to decide the tool check elegance. The information series tool is a questionnaire sheet for scholar motivation and multiple-preference check sheet for scholar success. Both contraptions had been given earlier than and after the study in every pattern organization which lasted 6 meetings. The information acquired had been then analyzed and examined with f-parametric statistic check, t-check and univariate check the use of SPSS v.20 software.

6. Result and Discussion Data description of every organization as a following: Table 2 Data Description of Control Class N Pre Post Motivation Motivation Pretest Posttest

|      |                              |        |                              |      |                         |                |                                 |          |                           |         |                      |         |                      |
|------|------------------------------|--------|------------------------------|------|-------------------------|----------------|---------------------------------|----------|---------------------------|---------|----------------------|---------|----------------------|
| Mean | 89,966690,766765,763374,8583 | Median | 89,500092,000063,860075,2900 | Mode | 93,0092,0054,29(a)74,29 | Std. Deviation | 305,868297,2477510,108478,03806 | Variance | 34,43752,530102,18164,610 | Minimum | 71,0072,0048,5760,00 | Maximum | 99,00103,0082,8688,5 |
|------|------------------------------|--------|------------------------------|------|-------------------------|----------------|---------------------------------|----------|---------------------------|---------|----------------------|---------|----------------------|

Table three Data Description of Experimental Class Pre Motivation Post Motivation Pretest Posttest N Valid 27 27 27 27

|      |                              |        |                              |      |                          |                |                              |          |                          |         |                      |         |                        |
|------|------------------------------|--------|------------------------------|------|--------------------------|----------------|------------------------------|----------|--------------------------|---------|----------------------|---------|------------------------|
| Mean | 96,803199,503463,011979,6848 | Median | 95,500099,000060,000080,0000 | Mode | 97,00103,0054,29(a)85,72 | Std. Deviation | 6,359827,365518,709228,01610 | Variance | 40,44754,25175,85064,258 | Minimum | 84,0083,0045,7262,86 | Maximum | 110,00117,0080,0091,40 |
|------|------------------------------|--------|------------------------------|------|--------------------------|----------------|------------------------------|----------|--------------------------|---------|----------------------|---------|------------------------|

Based at the effects of normality and homogeneity check, then the whole organization of information has been declared eligible. Table four. Result of Analysis Requirement P-price to Data Skor Normality check Homogeneity check Control Class Pre Motivation 0,758 > 0,05 ❖! Normal 0,166 > 0,05 ❖! Homogeneous Post Motivation 0,472 > 0,05 ❖! Normal Pretest 0,560 > 0,05 ❖! Normal Posttest 0,696 > 0,05 ❖! Normal 0,064 > 0,05 ❖! Homogeneous Experimental Class Pre Motivation 0,594 > 0,05 ❖! Normal Post Motivation 0,990 > 0,05 ❖! Normal 0,385 > 0,05 ❖! Homogeneous Pretest 0,605 > 0,05 ❖! Normal 0,912 > 0,05 ❖! Homogeneous Posttest 0,335 > 0,05 ❖! Normal Gain Score Motivation Learning 0,124 > 0,05 ❖! Normal 0,201 > 0,05 ❖! Homogeneous Achievement 0,377 > 0,05 ❖! Normal 0,715 > 0,05 ❖! Homogeneous IOP Conf. Series: Journal of Physics: Conf. Ser 112e3s 415161748(9200)112e3s 012046 doi:10.1088/1742-6596/1114/1/012046

Table five. Output Anova Gain Score for Motivation

|                |                         |             |   |      |
|----------------|-------------------------|-------------|---|------|
| Sum of Squares | Df                      | Mean Square | F | Sig. |
| Between Groups | 96,337196,3374,2110,045 |             |   |      |
| Within Groups  | 1258,3305522,879        |             |   |      |
| Total          | 1354,66756              |             |   |      |

The effects of the evaluation in desk five show extensively the variations in scholar studying motivation among direct studying in comparison with combined studying. It is visible from the sig price. output (P) 0.1/2 that is under 0.05 (❖). Tabel 6. Output Paired Samples t-Test Students Learning Motivation Paired Differences 95% Confidence of the t df Sig. Mean Std. Std. Error Difference (2tailed) In Table 6, to seriously growth in scholar motivation SMK 1 Kraksaan with the software combined studying. It is visible from the sig price. output (P) 0.010 that is under 0.05 (❖). Tabel 7 Average Score

Students Learning Motivation Direct Model Blended Learning Pre (A) Post (B) B A Pre (A) Post (B) B A 89.ninety seven 90.seventy seven 0.eight<sup>1</sup>eighty 99.50 2,70 Increasing factor 0.eight (0.nine%) Increasing factor 2.7 factor (2.eight%) Based on desk 7 it could be visible that the suggest rating of college students' studying motivation rating of manage will increase 0.eight points (0.nine%). Meanwhile, the common rating of studying motivation of test elegance college students <sup>2</sup>improved 2.70 points (2.eight%). Compared with the growth of suggest rating of studying IOP Conf. Series: Journal of Physics: Conf. Ser1i2e3s 415161748(9200<sup>1</sup>eight<sup>1</sup>)<sup>1</sup>012046 doi:10.1088/1742-6596/1114/1/012046 motivation of each corporations, the development of college students' motivation in experimental elegance is 1.nine points(19 fold) in comparison to the growth of studying motivation rating of manage elegance college students. Table eight. Output Anova Gain Score Learning Achievement Sum of SquaresDfMean SquareFSig.Between Groups826.0471826.0478.311.006Within Groups5400.2125598.186Total6216.25956Results of evaluation in Table eight show massive variations<sup>2</sup> scholar success among direct studying in comparison to studying combined studying. It is visible from the price sig. output (P) 0.006 that is under 0.05 (<sup>1</sup>). Table nine Output Paired Samples t-Test Learning Achievement Paired Differences95% Confidence of the t df Sig.MeanStd. Std. ErrorDifference (2tailed) Deviation Mean Lower Upper -17,67296 10,11815 1,94724 -21,67557 -13,67036 -nine,076 26 0,000 Furthermore <sup>2</sup>he effects of next evaluation in desk nine, proves extensively an growth in scholar success of SMKN 1 Kraksaan with the software of version combined studying. It is visible from the sig price. output (P) 0.000 that is under 0.05 (<sup>1</sup>).According to Sofyan and Uno reasons is a capacity strength for the incidence of conduct or action [26]. In the above tables it's miles visible how the stimulus withinside the shape of studying version has improvedthe incentive of each corporations to research, however<sup>1</sup>the reason of each corporations has a tendency to supply the equal relative capacity strength (TB-TF = 72.14% and RB-RF = 76.95%). Low encouraged organization of college students aren't capable of maximally reply to stimuli withinside the shape of studying fashions to obtain the equal or better studying success than the incredibly encouraged organization of college students. T<sup>1</sup>s may be visible from the distinction of studying success of each corporations in each remedy (X and Y).Based on attribution principle, there are three dimensions that impact attribution characteristics: (1) locus, (2) stability, and (three) controllability [27]. The studying version is carried out to the second one elegance is a stimulus from the outside (outside) that is stable (stable) and the ensuing reaction isuncontrollable [28]. Therefore, the studying motivation fashioned through the impact of the software of combined studying has no massive impact at the development of scholar success. Increased studying success extensively<sup>2</sup>andiest due to the remedy given to college students is the software of studying fashions. IOP Conf. Seri<sup>2</sup>: Journal of Physics: Conf. Ser1i2e3s 415161748(9200<sup>1</sup>eight<sup>1</sup>)<sup>1</sup>012046 doi:10.1088/1742-6596/1114/1/012046 In manage principle (cybernetics), defined how the character controls every stimulus he gets in step with the manage setpoint in itself [29]. Every stimulus spoke back in step with setpoint on every character. Group low encouraged college students and incredibly encoura<sup>1</sup>ed scholar corporations reply to stimuli withinside the shape of studying fashions of their respective set points. If we note, it could be illustrated the life of a fixed factor that offers upward push to success motivation in each corporations of college students. Highly encouraged college students <sup>2</sup>he acquainted with studying sports and success reasons that have a tendency to keep to preserve its position. Meanwhile, low encouraged college students additionally behave the equal manner with out set factor a better, which include the preference to enhance studying success past the



scholar's higher success. According to Wade & Travis success motivation will bring about maximal studying success if college students are capable of integrate each intrinsic and extrinsic motiva tion because of the studying version with the capacity to illustrate its performance [21].Therefore the software of studying fashions which have a massive impact at the growth of motivation to research honestly emerge as the simple capital for the subsequent reaction withinside the shape of scholar success development. But we want to recognize that motivation is a complicated psychical thing. According to Sofyan and Uno, the most powerful motivation is intrinsic motivation instead of extrinsic motivation [3]. In line with that Woolfolk in academic psychology (2004) states that the studying method have to be capable of create college students 'intrinsic motivation through linking college students' pastimes and helping their competence improvement In addition, to use the studying version is to generate motivation externally then the trainer ought to attempt for intrinsic motivation to be advanced due to the fact that motivation capable of provide the most important impetus for the improvement of scholar capacity right into a capability. References [1] H. Baharun, *PENDIDIKAN ANAK DALAM KELUARGA; TELAAH EPISTEMOLOGIS*, Pedagogik, vol. three, no. 2, pp. 96-107, 2016.[2] N. Soyomukti, *Teori-teori pendidikan*, Jogjakarta: Ar-Ruzz Media, 2010.[3] H. Baharun and R. Awwaliyah, *Pendidikan Multikultural dalam Menanggulangi NarasiIslamisme di Indonesia*, J. Pendidik. Agama Islam (Journal Islam. Educ. Stud.), vol. five, no. 2, pp. 224-243, 2017.[4] D. R. Garrison, *E-studying withinside the twenty first century: A framework for studies and exercise*.Routledge, 2011.[5] M. J. Rosenberg and R. Foshay, *E studying: Strategies for handing over know-how withinside the virtualage*, Perform. Improv., vol. 41, no. five, pp. 50-51, 2002.[6] S. Islam, *KARAKTERISTIK PENDIDIKAN KARAKTER; MENJAWAB TANTANGANMULTIDIMENSIONAL MELALUI IMPLEMENTASI KURIKULUM 2013*, J. EDURELIGIA, vol. 1, no. 1, pp. 89-100, 2017.[7] H. Baharun, *Penerapan Pembelajaran Active Learning untuk Meningkatkan Hasil BelajarSiswa di Madrasah*, J. Pendidik. Pedagog., vol. 1, no. 1, pp. 34-46, 2015.[8] O. Hamalik, *Belajar dan Teori Belajar*, Jakarta Bumi Aksara, 2008.[9] A. Mundry, *Pendidikan Teknohumanistik Berbasis Core Ethical Values*, At-Tajdid, vol. 1, no. 1, pp. 37-47, 2012.[10] H. Baharun, *Pengembangan Media Pembelajaran PAI Berbasis Lingkungan Melalui ModelASSURE*, Cendekia J. Educ. Soc., vol. 14, no. 2, pp. 231-246, 2016.[11] A. P. Rovai and H. Jordan, *Blended studying and feel of community: A comparative evaluation with conventional and absolutely on-line graduate courses*, Int. Rev. Res. Open Distrib. Learn., vol. five, no. 2, 2004.[12] S. R. Castle and C. McGuire, *An evaluation of scholar self-evaluation of on-line, combined, andface-to-face studying environments: Implications for sustainable schooling delivery*, Int. Educ. Stud., vol. three, no. three, p. 36, 2010.[13] K. Jusoff and R. Khodabandelou, *Preliminary observe at the position of social presence in combined IOP Conf. Series: Journal of Physics: Conf. Ser1i2e3s 415161748(92001eight)012046 doi:10.1088/1742-6596/1114/1/012046 studying surroundings in better schooling*, Int. Educ. Stud., vol. 2, no. four, pp. 79-83, 2009. [14] I. E. Allen, J. Seaman, and R. Garrett, *Blending in: The volume and promise of combinedschooling withinside the United States*. ERIC, 2007.[15] J. M. Carman, *Blended studying layout: Five key ingredients*, Retrieved August, vol. 18, p.2009, 2002.[16] M. Tayebinik and M. Puteh, *Blended Learning or E-studying?*, 2013.[17] C. R. Graham, *Blended studying systems*, Handb. combined Learn., pp. three-21, 2006.[18] I. Syarif, *Pengaruh version combined studying terhadap motivas*234

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