

Test Validity Information Data School on Websites Service Education Province Sumatera South

Yulia Various Putri, Yosef Barus, Makmum Raharjo

Master of Educational Technology, FKIP, Sriwijaya University, Indonesia

Info Articles

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information, websites, and
website builders applications

Abstract

In order to introduce schools to the community, the existence of schools is very important. School data is the identity of the school which contains a brief history of the school and its progress so far through the school profile. Making school data will be one of the school's strategies to reach and attract new students every year. Where information can be accessed online and open within certain limits by the public by utilizing information and communication technology. The website of the South Sumatra Provincial Education Office in terms of presenting information and news is not updated which displays the main titles or headlines in 2015, 2016 and 2019. This study uses the Alessi and Trollip development model which includes three important stages, namely planning, design (design), and development (development). This research succeeded in knowing the validity of school data information on the website of the South Sumatra Provincial Education Office. The results of the research and discussion have been carried out that have been tested for validity after being tested through 2 aspects, namely aspects of media assessment and material assessment that the website product development and information system developed by the South Sumatra Province Education Office are very valid.

INTRODUCTION

In today's digital era, technological advances are increasingly having an impact on life. If there is no technological progress, then the changing times will not be as fast and sophisticated as it is now. According to Azizah (2020), technology is one of the supports for human progress. The majority of people make technology as need base, Because presence technology Lots matter Which Can easy to do in daily activities. Technological progress is something Which No Can avoided Because progress technology will Keep going continues along progress knowledge knowledge (Ngafifi, 2014). Thus the current technological advances bring a change Which dominant in life that human its nature infinite And more effective.

Many aspects of human life are not spared from technological developments, such as agriculture economics, means of communication, medical, and politics. Technology is also starting to have an impact on the education system especially computer science and *internet technology* (*software* or applications) then the education sector as well directly or indirectly will feel the influence. For example influence The technology that is currently being felt in the field of education is the online learning system (in network).

No only progress technology as need, information And communication Also become necessities of life for society. At the present time information and communication technology is increasingly develop, matter This caused man Which demand speed For fulfil all his needs. Information can be said as knowledge obtained from learning, experience or guidance. Technology has change method communication from public, organization/company until family (Sari, 2018). Previously, public always utilise importance communication directly when conveying information. Now without having to meet face to face, the community can exchange information, parents can also control the whereabouts of their children when each other far away with use *cellphone* or via *videos message*.

Discuss information not will be separated from the word information disclosure. Information disclosure as one of the pillars of democracy which is characterized by the freedom of the masses to disseminate news and information, as well society's freedom to obtain information from organizer country. Freedom Which meant here is critics to organizer country. Right public For obtain information is Wrong One from a number of element most important in realize maintenance country Which open in accordance with regulation legislation. Based on Constitution Number 14 (2008), information public is information Which served to public so that public can know information Which accurate And updated.

The need for information forces the availability of a computer network, namely *the internet* . With exists *Internet* become source strength Which very big as means Which effective For interests as well as a new alternative that can connect all computer devices to inform wider, without limited by time and place. Like us know together, the dissemination of information in this era is becoming faster because all forms of information providers are used to follow the rapid development of existing technology, so it takes media that can distribute information with balance need user will information.

Local governments are required to always develop new innovations, strategies and concepts so that can provide the best service to the community. The central government conducts coaching and supervising the implementation of government affairs in the region. Provincial government is representative service Ministry education in region province, Regency, And municipality. based Constitution Number 23 (2014), about government area that For service education province have authority management School Intermediate On (SENIOR HIGH SCHOOL), School Vocational High School (SMK), and Special School (SLB). It is also listed in the annex to Law Number 23 In 2014, there were 5 things that became the authority of affairs in the field of education including: a)

management education, b) curriculum, c) educators and education staff, d) educational licensing, and e) language And literature. Can concluded that government center has give contribution distribution the authority to advance the quality of education in their respective regions, both provincial and regional regency/municipality.

Existence *website* give Lots benefit Which can felt direct by all party. One of them is to provide updated, accurate, and fast information. *Websites* become one of the most popular information media at the moment and *the website* also makes it easy to access search information. According to Nazarudin & Pela (2016), convenience in search information depends from *layouts* page *website* . If *layouts* , time Which spent For *searching* Can shortened then to *searching* will be more easy and efficiency increases. At the moment there is several *platforms* that make it easy to create or develop a *website* . Following several *website* building applications are often used because the design and programming model follow development among them as follows :

1) adobe Dreamweaver

Application development this *website* very favored by *designer websites* in designing *website* because this *software* has advantages and ease of use. According to Mandarin (2017) ., through this application *website developers* can see directly the results of *website design* without using application browser helper like *Google Chrome, Firefox* or *Internet explorer* .

2) *WordPress*

WordPress is application *open sources* Which very popular. According to Aulia (2017), user *Wordpress* is not only developed on personal *websites* but several agencies agencies in Indonesia the developer uses *wordpress* . Because of the convenience offered as well speed in planning compared to with a number of platforms making *website* other

3) *Bootstrap*

Bootstrap is a ready-to-use *front-end* website *creation* application . Got it too it is said, *Bootstrap* is in the form of HTML, CSS, and Javascript files that contain commands design page *website* with feature plus (Christian, *et al.* 2018). Can pulled conclusion that *bootstrap* is A application provider making *website* Which give convenience developer in designing that aims to design the layout of navigation views, *dropdown menus* , coloring menu on view *website*.

4) *Laravel*

Moment This *laravel* become *framework* most popular through appearance simple as well as give convenience developers For maximizing performance in use application *website* . Can concluded that *framework* *laravel* is a *framework* using a programming language PHP based MVC make it easy developers in process development *website*.

Based on the preliminary study conducted by researchers through observation on Department *website* Education Province Sumatra South, is known that *website* Service Provincial Education Sumatra South address <https://disdik.sumselprov.go.id/> Already use domain *website* government through the Office of Communication and Information of South Sumatra Province. Results observations of researchers about Department *website* Education Province Sumatra South in matter presentation information And news No updated which displays the headlines or headlines in 2015, 2016, and 2019. In fact, it's already 2021. In 2020 there will be an update just sending a letter circular Governor about maintenance learning annual. On appearance *website* Service Education in the South Sumatra Province, there is a buildup of news and announcements on the main page *website* . There are also *E-office* links that cannot be opened or access is not permitted *website* page . It can be seen that in the general and education data menu, information on payroll is presented where list wages the No need to be served in the *website* Service Provincial Education Sumatra South. Through results observation the base researcher For develop *website* Service Education Province South Sumatra.

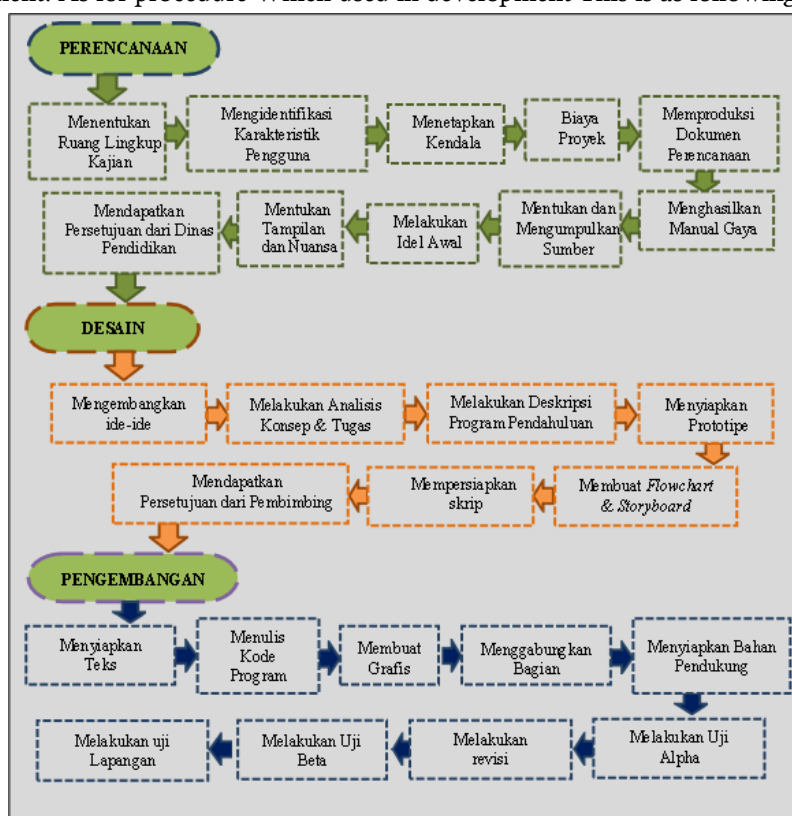
Preliminary studies conducted by researchers using a questionnaire provided via *Google Form* heads of 100 people consisting of educators, students, and the general public show that 72% or 72 person argue that Department *website* Education Province Sumatra South less informative to serve the community by presenting information that is not updated. From results deployment questionnaire too found that *website* Service Sumatra Province Education South easy to accessed via *webbrowser* with typing in the keyword "Sumsel education office" then a *website* option for the South Sumatra Provincial Education Office will appear . As for that information required through the results of the distribution of questionnaires shows that 54% or 54 people that information needed that is school profile Which covers data complete school.

Based on the results of direct interviews with the Secretary of the Education Office of Sumatra Province South and Administration Program And Cooperation concluded that compared to data which is owned by the South Sumatra Provincial Education Office regarding data on schools in Sumatra South data belongs to the Ministry of Education, Culture, Research and Technology of the Republic of Indonesia which present national level school data. In essence the Regional Provincial Education Office is bridge between governments center.

Based on the problems above, it is deemed necessary to disseminate information online wide that is through media *website* . Where information can accessed in a manner *on line* And open in limitation specified by public with utilise technology information And communication .

METHOD

This research is type study the development aim produce a new products or improvements to previous products. Development research is one method study Which relate with work design And development. Study product oriented development. The research stages use the Alessi development model & Trollip For development product And evaluation Which covers stage planning, design, And development. As for procedure Which used in development This is as following:



Technique analysis data researcher use analysis data questionnaire. Through a number of grain statement validator give level agreement to Suite statement related developed product development. The validity approval level in question is Likert scale consists of 5 choices, the most commonly used are: 5 = Very valid, 4 = Valid, 3 = Enough Valid, 2 = Invalid and 1 = Very Invalid. The results of the expert validation sheet data obtained Then counted the presentation with use formula following:

$$\text{Validity} = \frac{\text{Jumlah skor yang}}{\text{Jumlah skor ideal se-}} \times 100\%$$

For get percentage validity converted into the table 1 following This:

Table 1. Assessment criteria validity

Persentase	Kategori
0%-20%	Very Not enough Valid
21%-40%	Less Valid
41%-60%	Enough Valid
61%-80%	Valid
81%-100%	Very Valid

Riduwan. (2015).

Based on table criteria category evaluation validity determined with criteria minimum "Quite Valid". If media expert validator as well as experts material provides criterion value "Enough valid", then the development of *the website* for the South Sumatra Provincial Education Office has already been developed can used For stages test try product with do part revision.

RESULTS AND DISCUSSION

Test validation expert media And test validation expert material has held And get results product tested valid. Test validation This produce product Which valid with revision. explanation under This :

1) Validators Expert Media

This media expert validation consists of two media experts who study their fields. Expert validator the media was carried out with a questionnaire consisting of sheets 3 aspects namely: *website appearance*, navigation, and service interaction quality. Aspects of assessing *website* development for the Sumatra Provincial Education Office South as much 20 statement items. Here is the explanation from validator expert mediate I And II:

I) Anga Hadisaputra, S. Kom., M.Pd (Expert Media i)

The assessment given by the media expert validator I, the number of statement items is 20 items statement, the validity level agreement scale for a score of 5 with a very valid score category as many as 10 statement items while for a score of 4 with a valid score category of 10 items statement. Total overall rating 90, average rating 4.50 and value percentage 90 % with category very valid.

II) Deddy Erwin Junaidi, S. Kom (Expert Media II)

The assessment given by the media expert validator II, the number of statement items is 20 items statement, the scale of the validity level of approval for a score of 5 with a scoring category very valid as many as 15 statement items while for scores 4 with the rating category a valid score of 5 statement items. The overall total rating is 95, the average rating is 4.75 And mark percentage 95 % with very category valid.

Following recap results validator expert media:

Table 1 Summary of Results of Media Expert Validators I and II

No	Indicator	Validator Assessment	
		I	II
1	Easy to find	5	5
2	Element arrangement layout	4	5
3	Empty space	4	4
4	Letters (<i>fonts</i>)	4	5
5	Color	5	4
6	<i>Header</i> main menu	4	5
7	Visual aspect	4	5
8	Flexibility	4	5
9	Search box (<i>search</i>)	5	5
10	Home page	4	4
11	<i>Inputs</i>	5	5
12	operation	5	5
13	Navigation	5	5
14	Knowledge	5	5
15	access	5	4
16	Precision and accuracy	5	5
17	Reputation	4	5
18	Downloader	5	5
19	Satisfaction	4	4
20	Easy to find	4	5
	Amount	90	95
	Average	4.50	4.75
	Percentage	90%	95%
	Category	Very valid	Very valid

Based on table 1, the results of the media expert validators I and II above explain that the validator expert 1 get percentage as big 90% And validator 2 get percentage as big 95% with a very valid category and is feasible for testing. Based on the advice of the media expert validator there are a number of things that must be revised again on the *website product* in table 4 the results of the validator revision expert media And expert validator material.

2) Validators Expert Material

The material expert validation consisted of two media experts who studied their fields. Expert validator the material was carried out with a questionnaire consisting of sheets 3 aspects, namely: content truth, information quality, and language. Aspects of assessing *website* development for the South Sumatra Provincial Education Office as much 15 items statement. Here is the explanation from validator expert material I and II:

1) Patricia Yulia Sijinjak, SH, M.Sc

The assessment given by the material expert validator I number of statement items as many as 15 items statement, the validity level agreement scale for a score of 5 with a very valid score category as much 12 items while statement for score 4 by category valid score as much 3 items statement. Total whole evaluation 72, average evaluation 4.80 And mark percentage 96 % with category very valid.

II) Mahyumi Quarantine, M.Pd

The assessment given by the material expert validator II is the number of statement items as many as 15 items statement, the validity level agreement scale for a score of 5 with a very valid score category as much 12 items while statement for score 4 by category valid score as much 3 items statement. Total whole evaluation 72, average evaluation 4.80 And mark percentage 96 % with category very valid.

Following results recap validator expert material:

Table 2 Summary of Material Expert Validator Results I and II

No	Indicator	Validator Assessment	
		I	II
1	suitability	4	5
2	Delivery	5	5
3	Completeness	5	4
4	Content coverage	5	4
5	Source of information is clear	5	5
6	Clarity	4	5
7	Can be trusted	5	5
8	Updated	4	5
9	Beneficial	5	5
10	suitability of needs	5	5
11	Consistent	5	5
12	Easy to understand	5	5
13	Selection of words and sentences	5	5
14	Double meaning	5	4
15	suitability	5	5
	Amount	72	72
	Average	4.80	4.80
	Percentage	96 %	96 %
	Category	Very valid	Very valid

Based on table 2. the summary of the results of the material expert validators I and II above explains that the validator expert 1 get percentage as big 96% And validator 2 get percentage as big 96% with a very valid category and is feasible for testing. Based on the advice of the media expert validator there is some things that need to be revised again on the product this *website* in table 4 revised results validator expert media and validators expert material.

Below is a table of the revised results of the media expert validator and material expert validator:

Table 3 Product Revision

VIEW BEFORE REVISED
 <p><i>background uses a school building and the use of colors is too soft</i></p>
POST REVISED APPEARANCE

DIPRODIK DINAS PENDIDIKAN PROVINSI SUMATERA SELATAN

BERANDA | TENTANG | BERITA | DATA PENDIDIKAN | GALERI | PENYURUHAN

DINAS PENDIDIKAN PROVINSI SUMATERA SELATAN

DINAS PENDIDIKAN
Website Official Dinas Pendidikan Provinsi Sumatera Selatan

Pranala Terkait

- ✓ Pemerintah Provinsi Sumatera Selatan
- ✓ Kementerian Pendidikan dan Kebudayaan
- ✓ LPSE Sumsel
- ✓ Dapodik Sumsel

APLIKASI

Siladik
Sistem Informasi Layanan Dinas Pendidikan Provinsi Sumatera Selatan

Dapodik
Dapodik adalah sistem penataan data nasional yang terpadu, dan merupakan sumber data utama pendidikan nasional, bagian dari Program perencanaan pendidikan nasional dalam mewujudkan insan Indonesia yang Cerdas dan Kompetitif.

Sekolah Kita
Temukan Informasi Sekolah di seluruh Indonesia. Profil, foto lokasi, dan perbandingan sekolah tingkat dasar, menengah, dan pendidikan masyarakat di seluruh Indonesia.

TEMUKAN KITA

DINAS PENDIDIKAN PROVINSI SUMATERA SELATAN

Jl. Kapten A Rivali No 47
Bukit Kecil Kota Palembang, 30127
Indonesia

Website: <http://pendidikan.sumselprov.go.id>
Phone: +62 711 311089
Facsimile: +62 711 311089
Email: disdiksumselprov47@gmail.com

Pencarian

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The background already uses Palembang's signature songket ornament which is a suggestion from 2 media expert validators and 2 material expert validators and the search column and the position of the Sumsel Advanced logo on the front page is a media expert's suggestion .

VIEW BEFORE REVISED

Berita & Agenda Dinas Pendidikan Sumatera Selatan



Wisuda dan Tahfidz Al Furqon
Kadis Pendidikan Prov. Sumsel Bapak Drs. H. Riza Fahlevi, M.M menghadiri Wisuda Kelas XII dan Tahfidz SMA IT AL FURQON Palembang

disdik.sumselprov.go.id

Wisuda Kelas XII dan Tahfidz SMA IT AL FURQON Palembang
(<https://disdik1.sumselprov.go.id/wisuda-kelas-xii-dan-tahfidz-sma-it-al-furqon-palembang/>)



Hafiah, Wisuda, dan Hut Ke-55 Pondok Pesantren Al-Ittifaqiah
Kadis Pendidikan Prov. Sumsel Bapak Drs. H. Riza Fahlevi, M.M Menghadiri Acara Hafiah Akhir Sanah, Wisuda dan Hut Ke-55 Pondok Pesantren Al-Ittifaqiah Indralaya Ogan Ilir Sumsel

disdik.sumselprov.go.id

Hafiah Akhir Sanah, Wisuda dan Hut Ke-55 Pondok Pesantren Al - Ittifaqiah
(<https://disdik1.sumselprov.go.id/hafiah-akhir-sanah-wisuda-dan-hut-ke-55-pondok-pesantren-al-ittifaqiah/>)

READ MORE = (<https://disdik1.sumselprov.go.id/hafiah-akhir-sanah-wisuda-dan-hut-ke-55-pondok-pesantren-al-ittifaqiah/>)



Pembinaan Kepala Sekolah
Dinas Pendidikan Provinsi Sumatera Selatan Mengadakan Pembinaan Kepala Sekolah SMA/SMK/SLB/MA Negeri dan Swasta Sekabupaten Empat Lawang, Kota Pagaralam dan Kab. Lahat

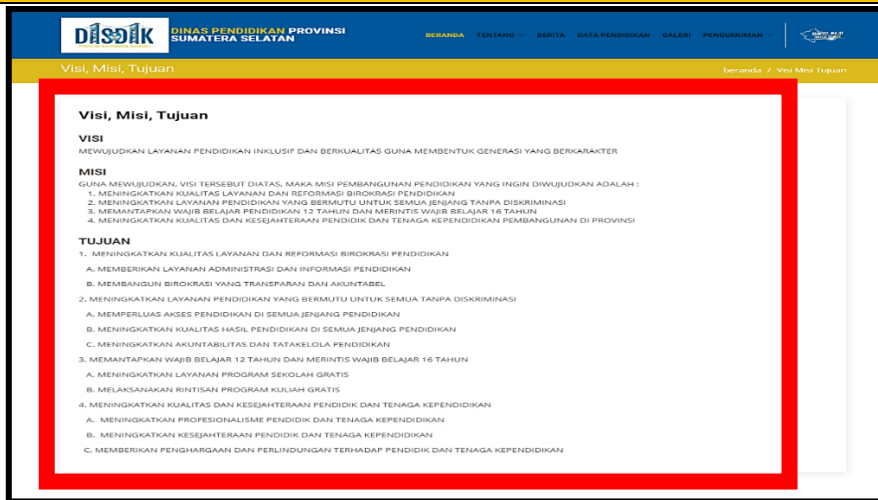
disdik.sumselprov.go.id

Pembinaan Kepala Sekolah SMA/SMK/SLB/MA Negeri/swasta sekabupaten Empat Lawang, Kota Pagaralam dan Kabupaten Lahat di SMK Negeri 1 Empat Lawang. (<https://disdik1.sumselprov.go.id/pembinaan-kepala-sekolah-sma-smk-slb-ma-negeri-swasta-sekabupaten-empat-lawang-kota-pagaralam-dan-kabupaten-lahat-di-smk-negeri-1-empat-lawang/>)

READ MORE = (<https://disdik1.sumselprov.go.id/pembinaan-kepala-sekolah-sma-smk-slb-ma-negeri-swasta-sekabupaten-empat-lawang-kota-pagaralam-dan-kabupaten-lahat-di-smk-negeri-1-empat-lawang/>)

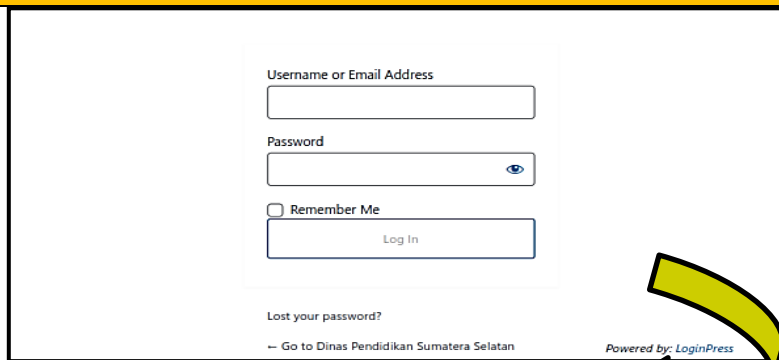
Use the typeface using Calibri

POST REVISED APPEARANCE



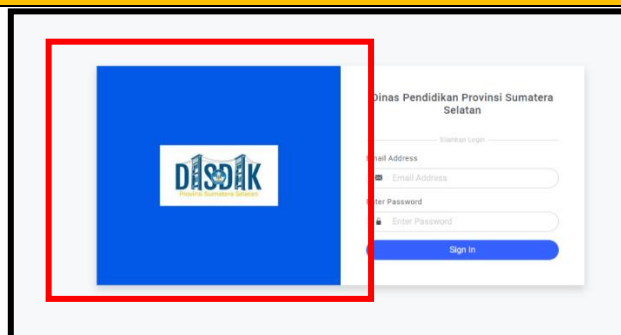
The use of the Verdana font type and appropriate font size is a suggestion from the media expert validator I.

VIEW BEFORE REVISED



Standard view on admin *login*

POST REVISED APPEARANCE

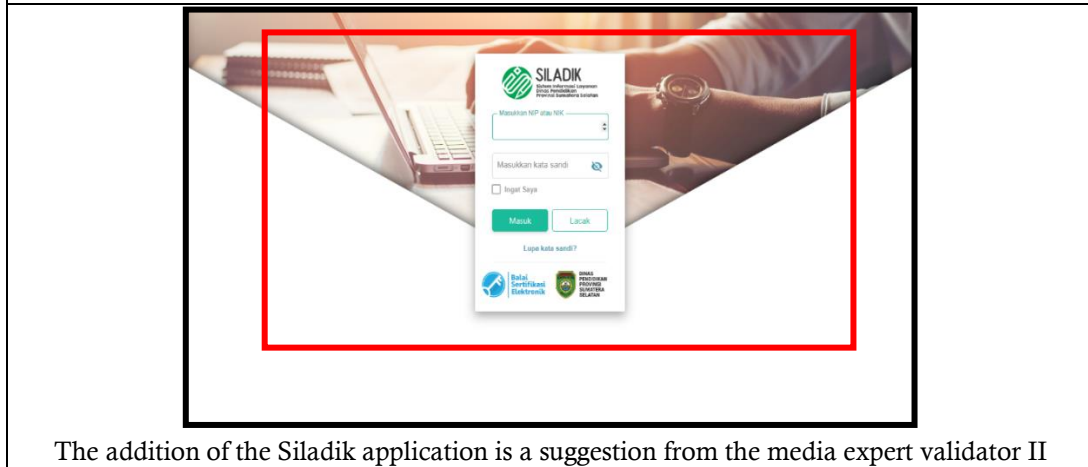


The appearance of the admin *login* after adding the education service *logo* is a suggestion from the material expert validator I.

POST REVISED APPEARANCE



The addition of information on the sop tron is a suggestion from the two material expert validators



The addition of the Siladik application is a suggestion from the media expert validator II

CONCLUSION

Based on results study And discussion Which has done by researcher about *website* development and school information system South Sumatra Provincial Education Office has its validity was tested after being tested through 2 aspects, namely aspects of media assessment and material assessment that *website* development product and information system from the South Sumatra Provincial Education Office developed very valid. Based on the results of the media expert's assessment, it was produced that the validator was a media expert 1 gets a percentage of 90% and media expert validator 2 gets a percentage of 95% with the second category the validator is very valid. while the material expert's assessment resulted that the validator material expert 1 gets a percentage of 96% and the material expert validator 2 gets a percentage as big 96% with category very valid and Already worth to at test try.

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