

**The first International Seminar of Widyaaiswara 2019**

# e-Proceedings

**Electronic Source**

**BPSDMD Campus, Pandeglang, Banten Province  
25 – 28 February 2019**

**Theme: “Creating Adaptive and Responsive Bureaucracy”**



**IWI**

**Banten Province**



**BPSDMD**

**Banten Province**

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**Penerbit: Ikatan Widyaaiswara Indonesia (IWI) Provinsi Banten**

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**The First International Seminal of Widyaaiswara**

**Widyaiswara Association of Banten Province (IWI Banten)**

BPSDMD of Banten Province, Pandeglang, 25 – 28 February 2019

**Theme: “Creating Adaptive and Responsive  
Bureaucracy**

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**Published by:**

**Widyaiswara Association of Banten Province (IWI Banten)**

## PREFACE

The first International Seminar of Widyaiswara on the Campus of BPSDM of Banten Province in Pandeglang, was held during 25 – 28 February 2019. The seminar was attended by more than 100 participants; most of them were widyaiswara coming from various institutions. The 80 extended abstracts were presented in the second and third days of the seminar, meanwhile the fourth day was allocated for the city tour to the historical place of Banten Sultanate.

There was one main panel session, in which five keynote speakers delivered their speeches, and there were 5 plenary sessions covering different areas of the Seminar. The Seminar had been planned to be officially opened by HE the Governor of Banten, but according to sudden agenda, the Governor delegated the Secretary of Banten Province, **Dr. Ino S. Rawita**, to open the seminar and deliver the speech. We would like to express our high gratitude to all keynote speakers for their important and meaningful speeches, those include:

1. **Dr. Adi Suyanto**, Head of Indonesia National Institute of Public Administration
2. **Ms. Roksana Khan**, Public Sector Lead Adviser, the Australia-Indonesia Partnership for Economic Development (Prospera)
3. **Mr. Arnel Capili**, Deputy Executive Director, ASEAN Coordinating Centre for Humanitarian Assistance (AHA Centre)
4. **Juliaty Ansye Sopacua, Ph.D**, Technical Advisor of SDGs for UNDP Indonesia

Generous support for the conference was provided by the BPSDM of Banten Province team including all widyaiswara of Banten Province. All in all, the first International Seminar of Widyaiswara in Pandeglang, Banten was very successful. We highly appreciate the friendship and strong motivation from all participants for the success of the event. We are looking forward for your participation in the next seminar in Banten Province.

Pandeglang, 11 March 2019

The Seminar Chairman

**Endrawati**

# **The Organizing Committee**

## **The International Seminar of Widyaaiswara 2019 Banten Province, 25 – 28 February, 2019**

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6. Daniel Aritonang, S.STP

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2. Drs. Rahmat Suyatna, M.Pd., M.Si.

**Reviewing Team** : 1. Endan Suwandana, ST, M.Sc. Ph.D.  
2. Untung Saritomo, S.Sos, SH, M.Si.

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3	<b>Mr. Arnel Capili</b> , Deputy Executive Director, ASEAN Coordinating Centre for Humanitarian Assistance (AHA Centre)		
4	<b>Juliaty Ansye Sopacua, Ph.D</b> , Technical Advisor of SDGs for UNDP Indonesia		

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**OFFICIAL RUNDOWN**  
**INTERNATIONAL SEMINAR OF WIDYAISWARA 2019**  
**HUMAN RESOURCES DEVELOPMENT AGENCY OF BANTEN PROVINCE**  
**IN COLLABORATION WITH**  
**WIDYAISWARA ASSOCIATION OF BANTEN PROVINCE**

**Day #1**  
**Monday, 25 February 2019**

TIME	AGENDA
12.00 – 17.00	Check - in
17.00 – 19.00	Break
19.00 – 21.00	Welcoming speech / dinner

**Day #2**  
**Tuesday, 26 February 2019**

TIME	AGENDA
09.00 – 10.00	Opening Ceremony
10.00 – 10.45	<b>Dr. H. Wahidin Halim</b> , HE Governor of Banten Province
10.45 – 12.15	<u>Panel Session 1:</u> <ul style="list-style-type: none"> <li>▪ <b>Dr. Adi Suyanto</b>, Head of Indonesia National Institute of Public Administration</li> <li>▪ <b>Ms. Roksana Khan</b>, Public Sector Lead Adviser, the Australia-Indonesia Partnership for Economic Development (Prospera) (Moderator: Endan Suwandana, Ph.D.)</li> </ul>
12.15 – 13.30	Break
13.30 – 15.00	<u>Panel Session 2:</u> <ul style="list-style-type: none"> <li>▪ <b>Mr. Arnel Capili</b>, Deputy Executive Director, ASEAN Coordinating Centre for Humanitarian Assistance (AHA Centre)</li> <li>▪ <b>Juliaty Ansye Sopacua, Ph.D</b>, Technical Advisor of SDGs for UNDP Indonesia (Moderator: Rahmat Suyatna, M.Pd., M.Si.)</li> </ul>
15.00 – 15.30	Break

**Day #2**  
**Tuesday, 26 February 2019**

Parallel Session 1 Time: 15.30 – 17.30			
Room A	Room B	Room C	Room D
Moderator:	Moderator:	Moderator:	Moderator:
Endan Suwandana	Rachmat Soegiharto	Rahmat Suyatna	Endarto
Anindita Dyah Sekarpuri Ina Yuniati Supriyono Nina Hernawati Riduan Zaki	Farid Handoko Wisnu Nugrahini Ribut Sugianto Evan Avianto	Ihlas Ahmad Subarkah Entus Sahal Tusturi Yasin Yasani Achmad Nurhadi	Suci Ingrid Aswandi Zaniar Aswandi
Break (17.30 – 19.00)			

Parallel Session 2 Time: 19.00 – 21.00			
Room A	Room B	Room C	Room D
Moderator:	Moderator:	Moderator:	Moderator:
XXX	Saefudin	Tata Zakaria	Endarto
Hendra Utama Andri Arjita Bosman Donald Hutahaeen Dede Tarmana Nurhayati	Madona Ecih Sukemsih Achmad Nurhadi Umroh Bilbina	Faizal Juniarto Widodo Yuliana Ria Uli Sitanggang	Sofiaty Muhammad Iqbal Fadillah
Break (21.00 – 21.30)			

**Day #3**  
**Wednesday, 27 February 2019**

Parallel Session 3 Time: 08.00 – 10.00			
Room A	Room B	Room C	Room D
Moderator:	Moderator:	Moderator:	Moderator:
Maslichah Kurdi	Hafiz Supriyadi	Nina Hernawati	Endarto
Ali Subroto Suprpto Supriyono	Jimmy Ludin Ahmadriswan Nasution Euis Naya Sari Dewi Permana Sari	Mustofa Kamal Wakhyudi Nur Endah Widyastuti	Yana Irawati Wicaksono Febriantoro Irwan Setiawan Murahmini
Break (10.00 – 10.15)			

Parallel Session 4 Time: 10.15 – 12.15			
Room A	Room B	Room C	Room D
Moderator:	Moderator:	Moderator:	Moderator:
Endan Suwadana	Saefudin	Silviani Kesuma	Endarto
Rina Rostarina Miftakhuddiniyah Retno Daru Dewi Silviani Kesuma	Irwan Setiawan Supinah Christian Tobing Hafiz Supriyadi	Natan Tanduk Lande Luluk Lailatul Bdriyah Rachmat Soegiharto	Bonnie Israminaria M. Syafridin Bustomi Agustina Dessy Phawestrina
Break (12.15 – 13.00)			



**Extended abstract**

## **MEASURING THE SUCCESS OF COMPUTER ADMINISTRATION FUNCTIONAL TRAINING WITH THE PRE-TEST AND POST-TEST METHODS**

**Budi Subandriyo**

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### **Introduction**

Computer Administration Functional or Functional Computer Administrators (Pranata Komputer-Prakom) is a functional official who is domiciled as a functional technical executor in carrying out computer-based information system activities in government agencies. BPS organizes computer education and training (Prakom training) to improve human resources, especially Civil Servants, while providing opportunities for them to become functional officials of computer institutions.

The methods, media, and environment involved in the process of delivering material can influence the success of the learning process (Desriana, 2018). To find out the success of the training, namely increasing the knowledge and understanding of participants after the material was delivered, pre-test and post-test were conducted. In addition to knowing the level of satisfaction of the training participants, an assessment questionnaire was used.

### **Method**

The Prakom training aims to establish competency standards that need to be owned by functional computer officials. In 2018, the Education and Training Center (Pusdiklat), BPS-Statistics Indonesia implements skilled-level functional prakom training for two batches. The first batch on June 28 to August 4, 2018, and the second batch on August 6 to September 14, 2018. The total number of participants are 27 people each batch.

Pre-test and post-test are assessment media that can measure the success of the progress of a learning process in a concise and effective manner (Costa, 2013). The pre-test is given before the learning process and aims to determine the extent to which training participants' knowledge of the material to be given. The post-test was given after the learning process was completed, to find out where the participants understood the material (Purwanto, 1998).

The value of the pre-test and post-tests in this training is expected to provide an overview of whether this training is able to provide knowledge and understanding of every material presented. The pre-test was conducted before the learning process in the training was started, and at the end of the training activity a post-test was conducted. The number and type of questions for the pre-test and post-test are the same. In addition, training participants are required to fill out a questionnaire to determine the level of satisfaction in the implementation of training activities. The level of satisfaction is rated with less, enough, good, and very good. Furthermore, the value data and information on the results of the assessment of the collected participants are processed and tabulated to be

analyzed descriptively and quantitatively, according to the needs and problems that exist.

The value inequality of each training participant can be used to determine the differences in the ability of all participants before and after training. There are many measures to see inequality, one of which is often used is the coefficient of variation (CV) which can describe the different values of the data group. The variation coefficient is obtained by comparing the standard deviation of the value with the average value.

### Important Findings and Discussion

From the results of the value data processing for the first batch participants, the average pre-test score was 59.26 and the post-test was 77.63. For the second batch, the average pre-test value was 68.30 and post-test was 82.96. The first batch experienced a higher increase than the second batch, with an increase of 18.37 and 14.67 for the second batch. Can be seen in Figure 1.

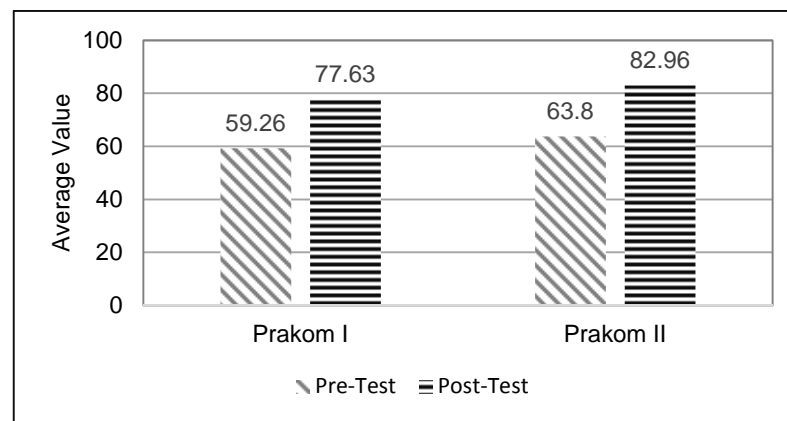


Fig 1. Average value of the pre-test and post-test

If seen from the lowest and highest values, the first batch for the pre-test is 20 and 86, while the post test 62 and 86. There is an increase in the lowest value of 42 points. The second batch also experienced the lowest increase of 28 points. To see the imbalance of participants' values, it can be seen from the variation coefficient value (CV) of each class. The first batch had a decrease in inequality from 0.20 during the pre-test to 0.07 during the post-test. The decrease in inequality also occurred in the second generation, from 0.14 to 0.05. This indicates that after getting learning all participants have almost the same level of understanding of the material.

Table 1. Recapitulation of Assessment of Participant Satisfaction Levels (Percent)

Description	Less	Enough	Good	Very Good
Benefits	0.0	6.3	31.3	62.5
Time Allocation	16.7	25.0	43.8	14.6
Occupational Relevance	0.0	6.3	58.3	35.4
Training Material	2.1	12.5	54.2	31.3
Discussion Time	4.2	16.7	58.3	20.9

From table 1, show that the average training participants stated that the implementation of training for these two batches had the largest percentage giving good and very good ratings. The assessment of the training benefits of more than half of the participants stated that it was very good at 62.5%, as well as for allocation of time, relevance to work, training material, and time of discussion, most participants rated it well. The time allocation has a diversity of assessments with most participants rated good.

## **Conclusion**

The implementation of prakom training conducted by the Education and Training Center, BPS-Statistics Indonesia in 2018 based on the pre-test and post-test scores can be declared successful. The success of this training is also strengthened by the assessment of the level of satisfaction of the training participants.

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# Certificate Of Appreciation



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this certificate is awarded to

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on his/her participation as

**Speaker**

For excellent presentation on the 1<sup>st</sup> International Seminar of Widayaiswara entitled :  
**Measuring the Success of Computer Administration Functional  
Training with the Pre-Test and Post-Test Methods**

which is held by Widayaiswara Association of Banten Province in collaboration with the  
BPSDMD of Banten Province, on the 25<sup>th</sup> to 28<sup>th</sup> of February 2019, at BPSDMD of Banten Province.

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