



## Curriculum Vitae

<b>Surname:</b>	JUARNA
<b>First Name:</b>	ASEP
<b>Date of Birth:</b>	December 12, 1962
<b>Academic Qualification:</b>	Doctor in Information Technology
<b>Venia Legendi (qualification to teach):</b>	Informatics and Computer Science
<b>Further Qualifications:</b>	

<b>At the Higher Education Institution since:</b>	1993
<b>Level of Employment:</b>	2006-now at Gunadarma University as Head of Center for Combinatorics Application Study
<b>Teaching Focus:</b>	Multimedia Communication
<b>Interdisciplinary Aspects:</b>	Multimedia Computation, Computer Networks, Communication
<b>Activities in the Areas:</b>	
- <b>Further Education</b>	
- <b>Research</b>	Conducting research on informatics and computer science, especially informatic management, computation of investment and forecasting, and development of algorithms.
- <b>Consultancy</b>	Supervising students in conducting their research projects for undergraduate and master thesis.
<b>How are personal research activities reflected in teaching activities?</b>	In Indonesia, every lecturer has three activities: teaching, research, and voluntary works for community. Some result of research and the voluntary works are packaged into reference book.

<b>Work experience:</b>	
- <b>General</b>	As the head of the research grant (2015-2017) and head of center for combinatorics application study (2016-now)
- <b>Activities as an Expert:</b>	As an expert member to the team of information and technology auditor for information and technology audit of banking and insurance institution.
<b>Publications:</b>	<ol style="list-style-type: none"> <li>1. RP Sariaji, A Juarna (2022). <i>Supplier Selection Decision Support System in Coffee Shops During the Covid-19 Pandemic (Case Study Lucky's Koffie)</i>. Dinasti International Journal of Management Science 4(2), 380-387.</li> <li>2. RA Rinaldy, A. Juarna. (2022). <i>Implementation of Enterprise Resource</i></li> </ol>

	<p><i>Planning (ERP) and Customer Relationship Management (CRM) System to Support Business Operation in PT Wira Pratama</i>. International Research Journal of Advanced Engineering and Science (IRJAES) 7(1), 208-211.</p> <p>3. T. Handika, Y. Sutanto, S. Juarna, AB Mutiara.. (2021). <i>Bayesian Analysis in Predicting the Success Rate of Scrum-Based Software Development Project under Stochastic Environment</i>. ICIC Express Letters 15(8), 897-905.</p> <p>4. R. Refianti, AB Mutiara, A. Juarna. A. Suhendra. <i>Clustering Grey-Scale Face-Images Using Modified Adaptive Affinity Propagation with a New Preference Model</i>. Proceeding of 2018 Third International Conference on Informatics and Computing (ICIC).1-5.</p> <p>5. A. Juarna (2017). <i>Combinatorial Algorithms for Portfolio Optimization Problems-Case of Risk Moderator Investor</i>. Journal of Physics Conference Series, 820(1), 012028</p> <p>6. A. Juarna (2017). <i>One Year Stock Price Prediction and Its Validity Using Least Square Method in MATLAB</i>. International Journal of Advanced Research (IJAR) 5(2), 1641-1648.</p>
<b>Memberships:</b>	Assosiasi Dosen Indonesia (ADI)
<b>International experience in:</b>	
- <b>Corporate Management</b>	
- <b>Academic Activities</b>	
- <b>Personal Background/ Experience</b>	<p>CONFERENCES</p> <p>1. Presenting paper entitled <i>VODPK: A Solver for Initial Value Problem of Ordinary Differential Equations System in the 2008 International Conference on Mathematics and Natural Sciences</i>. September 2008. Institut Teknologi Bandung</p> <p>2. Presenting paper entitled <i>Data Routing Algorithms in Extended Lucas Cube Networks in the IEEE International Conference on Signal Image Technology and Internet Based Systems</i>. December 2008. Bali</p> <p>3. Presenting paper entitled <i>Isomorphism between classes counted by Fibonacci numbers in the 5-th International Conference on Word</i>. September 2005. Université du Québec à Montréal - Canada.</p> <p>4. Presenting paper entitled <i>A New Wilf Class and Five New Bijections Derived from a Simion Schmidt Bijection in the 2006 Conference in Algebra and Combinatorics</i>. March 30-31, 2006. Ateneo de Manila University, Philippines.</p> <p>5. Presenting paper entitled <i>Combinatorial Isomorphisms Beyond a Simion Schmidt Bijection in the International School and Conference on Combinatorics, Automata, and Number Theory</i>. University of Liege, Belgium, 8-19 May, 2006).</p> <p>6. Presenting paper entitled <i>On the Extended Patterns in a Simion-Schmidt's Bijection in the 5-th GASCom and Bijective Combinatorics</i>. September 11-14 May, 2006. Dijon – France.</p> <p>7. Presenting paper entitled <i>On A New Family of Fibonacci-like Cubes: Extended Lucas Cube in the ICGTIS 2007, A Conference in Honor of</i></p>

Mirka Miller on her 57<sup>th</sup> Year. Bandung 10 - 13 Februari 2007. Institut Teknologi Bandung.

8. Presenting paper entitled *Burrows Wheeler Compression Algorithm (BWCA) in Lossless Image Compression* in the International Conference on Soft Computing, Intelligent System, and Information Technology (2-nd ICSIIT 2010). Bali.
9. Presenting paper entitled *Gray Code and Loosless Algorithm for the Tribonacci Strings* in the AMAT – International Conference on Applied Mathematics & Approximation Theory. Ankara Turkey 2012.
10. Member of the Organizing Committee of The 5-th GASCom and Bijective Combinatorics 2006, Le2i Universite de Bourgogne, Dijon – France.

#### PROJECTS

11. Main Y2K Auditor in the Information Technology Audit of the Banking Sector (1999-2000). Gunadarma University Collaboration with Bank Indonesia.
12. Coach for the Gunadarma University Hanoman Team in the ACM International Collegiate Programming Contest, 29-30 Nov 2001, Nanyang Auditorium, NTU, Singapore.
13. Head of the team of Development of the ISS Gunadarma Central Library (2001-2003). TPSDP (Technological And Professional Skills Development Sector Project) Project Grant in collaboration with Dikti – ADB (Asian Development Bank).
14. Deputy Chair of the IST (Information Systems Technology) Banking Training Project (2002). Gunadarma University Collaboration with Bank Indonesia.
15. Deputy Chair of Bank Indonesia Real Time Gross Settlement System (RTGS) Network and Data Communication Inspection Activities (2002). Gunadarma University Collaboration with Bank Indonesia.
16. PIC 3 Program "Optimizing the usefulness of the INHERENT network through technology transfer cooperation and knowledge sharing between universities" (2006). Higher Education Directorate Competition Grant Program for Information and Communication Technology (CGP-ICT), K-3 (INHERENT).
17. Head of the team of Development of the Gunadarma E-Learning Center (2007). Higher Education Directorate Competition Grant Program for Information and Communication Technology (CGP-ICT), K-1 (INHERENT).

Other: