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**Agency for the Assessment and Application of Technology,  
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#### Summary of Qualifications

Extensive 32-years' experience in ICT, with emphasis in artificial intelligence, enterprise information system, cybersecurity, broadband and mobile communication with in-depth experience in research, development, engineering and operation of IT system and network.

- Currently, he holds position as Deputy Chairman for Natural Resource Development Technology at the Agency for the Assessment and Application of Technology – BPPT, Government of Indonesia.
- He was the Deputy Chairman BPPT for Information Technology, Energy and Material, concurrently as executive Chief Information Officer (CIO)
- He was the Director of ICT Center and previously was Director of Science and Technology Information Network (IPTEKnet) BPPT, a government internet service provider and held various positions in major Internet start-up companies as professional executive consultant.
- He holds Doctor of Engineering degree in Electrical Engineering (cum laude), Master of Science in Computer Science and Bachelor in Electrical Engineering, majoring Electronics and Control System.
- He has broad experiences in the Information Communication Technology (ICT) with the following exposure to:
  - Artificial Intelligence and Language Processing
  - Digital Identification and Biometric System
  - Broadband Wireless Access and Next Generation Network
  - Enterprise Architecture and Executive Information System
  - Cyber security and Information Resiliency

	<ul style="list-style-type: none"> <li>- IT Governance, IT Strategic Planning, IT Project Management and IT Service Management</li> <li>- Content Management System and e-Government</li> <li>- Language and Multimedia Technology</li> </ul>
<p><b>Professional Experience</b></p>	<p>January 2019 – Now  <b>Chairman of the Agency for the Assessment and Application of Technology (BPPT)</b></p> <p>Feb 2018 – January 2019  <b>Deputy Chairman of Natural Resources Development Technology, BPPT</b></p> <p>Oct 2014-Feb 2018  <b>Deputy Chairman of Information Technology, Energy and Material, BPPT</b></p> <p>June 2010-Oct 2014  <b>Director of Center for Information and Communication Technology, BPPT</b></p> <ul style="list-style-type: none"> <li>• Indonesian National e-ID (e-KTP) system specification</li> <li>• Ubiquitous Government Service (Electronic Voting) Pemilukada</li> <li>• Air Traffic Management System (CNS/ATM)</li> <li>• Digital Broadcasting and Multimedia Digital Network</li> <li>• e-Development: e-Government and ICT Outlook</li> <li>• Safety, Security and Defense Information System</li> </ul> <p>2009-Now  <b>Executive Chief Information Officer (CIO), BPPT</b></p> <ul style="list-style-type: none"> <li>• System Integration for Government Enterprise Architecture</li> <li>• Cloud Computing Infrastructure (Data Center)</li> <li>• Government Information Policy and Service</li> </ul> <p>2004-2010  <b>Director IPTEKnet, BPPT</b></p> <ul style="list-style-type: none"> <li>• Government Internet Service Provider</li> <li>• Government Data Center Management</li> <li>• E-Government Content and Application</li> <li>• Sistem Integrasi dan Pengamanan Informasi TNI-AL (Enterprise Information System for Navy)</li> <li>• Presidential Accountability Infostructure (PAI)</li> <li>• Banda Aceh Municipality Information System (BAICC)</li> </ul>

	<p><b>Lecturer</b></p> <ul style="list-style-type: none"> <li>• Homebase, Magister Teknik Elektro, Universitas Pelita Harapan (UPH) 2009-2011</li> <li>• Executive Development Program, LAPI-ITB</li> <li>• Magister Teknik Industri - Universitas Pelita Harapan (UPH)</li> <li>• Universitas Budi Luhur 2004-2008</li> </ul> <p><b>Professional Consulting Experiences</b></p> <ul style="list-style-type: none"> <li>• Technical Committee, Standar Nasional Indonesia (RSNI) - Broadband Wireless Access (BWA), Kementerian Perindustrian (2007-2009)</li> <li>• Technical Committee, TIME, Departemen Komunikasi dan Informatika (2006)</li> <li>• Multipolar Corporation - Acting Vice President, IT Data Center (2003) and PT. Linknet/Lippostar - Acting Chief Operating Officer (2002)</li> <li>• LKBN Antara (Antara Online) – Senior IT Consultant (2001)</li> <li>• PT. Astaga Internet Konsultindo (Astaga.com) – Internet Consulting Chief Portal Officer (2000)</li> <li>• PT. Rahajasa Media Internet (RADNET) – Business Development Adviser (1995)</li> </ul>
<p><b>Education</b></p>	<ul style="list-style-type: none"> <li>• Doctor of Engineering (Cum Laude), New Mexico State University (research), Bandung Institute of Technology, 1999</li> <li>• Master of Science (MSc), Department of Computer Science, University of Kentucky, 1991</li> <li>• Bachelor of Engineering, Bandung Institute of Technology, 1986</li> </ul> <p>Certification</p> <ul style="list-style-type: none"> <li>• <b>Primary Professional Engineers Insinyur Profesional Utama (IPU), Electrical Engineering Committee (Badan Kejuruan Elektro), Indonesian Engineers Association (Persatuan Insinyur Indonesia, PII)</b></li> </ul> <p><b>Formal Training</b></p> <ul style="list-style-type: none"> <li>• IT Infrastructure Library, IT Security (USA)</li> <li>• Content Management System: Vignette StoryServer, Broadvision Publishing Engine (USA)</li> <li>• Project Management and Business Planning (Japan)</li> </ul>

<b>Professional Association</b>	<p>Head of Research and Development, Expert Committee of National Desk for Cyber Information Security and Resilience (DK2ICN), Coordinating Ministry of Politic, Law and Defense (POLHUKAM)</p> <ul style="list-style-type: none"> <li>• Expert Member, Indonesia Telecommunication Society (MASTEL)</li> <li>• Secretary, Badan Kejuruan Elektro (BKE)- Persatuan Insinyur Indonesia -Indonesia Engineer Association (PII)</li> <li>• Supervisory Committee - Association of Indonesia Internet Service Provider APJII (2010-2012)</li> <li>• Head of Indonesia Internet Exchange IIX - APJII (2008-2010)</li> <li>• Country expert member of Asian Federation on Natural Language Processing (AFNLP)</li> <li>• Expert Members, Asian Language Resource (ALRC),</li> <li>• Expert Committee, Oriental COCODA (Speech Database)</li> <li>• Expert member of International Speech Communication Association (ISCA)</li> </ul>
<b>Interest</b>	<p>Wireless and Broadband Telecommunication</p> <ul style="list-style-type: none"> <li>• Electronic Identification and Biometrics System</li> <li>• Content Management System/Publishing system</li> <li>• Internet-based Information Technology/Services E-Commerce System: B2B/B2C</li> <li>• Enterprise Architecture, Executive Information System</li> <li>• Language Technology and Machine Translation System</li> </ul>