DAFTAR ISI

☐ KOMPUTER DAN INFORMATIKA

006.42   **001**
AHM
p   **AHMAD**, Usman
     Pengolahan Citra Digital dan Teknik
     Pemrogramanya,- Graha Ilmu, 2013.
     ISBN: 9797560726
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004.68   **002**
BAI
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     Buku / DVD),-- Sybex-John Wiley &
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     ISBN: 9781118466032
     NIB: S2-249, S2-250

Eight hours of video teaches you essential SEO techniques. If you're a marketer, advertiser, or brand manager, you know the urgent need in today's marketplace to master and deploy top-notch search engine optimization strategies. Learning Search Engine Optimization: A Video Introduction offers a fast, visual way for you to get up speed on SEO. This video training software features eight hours of instruction covering such topics as how search engines work, keyword research, tags, content and on-page optimization, tracking and reporting results, and more. Watch at your own pace and quickly learn the essentials of this crucial marketing weapon. The videos are viewable on laptops and PCs, smartphones, and tablet.

006.3   **003**
BEC
t   **BECKER** K.
     The Guide to Computer Simulations and
     Games 1st Edition,-- John Wiley & Sons,
     2012.
     ISBN: 978-1118009239
     NIB. S2-082, S2-083

005.86   **004**
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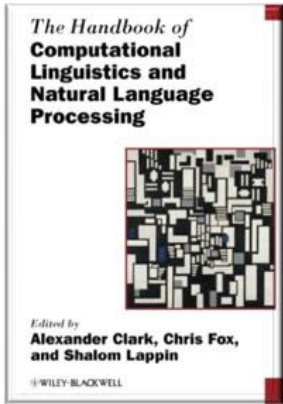   ISBN: 978-1107014275
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005.133   **005**
BUR
j   **BURD**, Barry A.
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     ISBN: 9781118504383
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004.678   **006**
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c   **BUYYA**, Rajkumar
     Cloud Computing: Principles and
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001.2   **007**
CAR
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     Sons, 2015.
     ISBN: 978-1118982600
     NIB: S2-140, S2-142

006.3   **008**
CAF
l   **CAFFERA**, Ricardo
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     ISBN: 978-1848213012
     NIB: S2-070, S2-071

R
004.1 009
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Linguistics and Natural Language
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ISBN: 978-1118347188
NIB: S2-092, S2-093

This comprehensive reference work
provides an overview of the concepts,
methodologies, and applications in
computational linguistics and natural
language processing (NLP).

- Features contributions by the top
  researchers in the field, reflecting the
  work that is driving the discipline
  forward
- Includes an introduction to the major
  theoretical issues in these fields, as well
  as the central engineering applications
  that the work has produced
- Presents major developments in an
  accessible way, explaining the close
  onnection between scientific
  understanding of the computational
  properties of natural language and the
  creation of effective language
  technologies
- Serves as an invaluable state-of-the-art
  reference source for computational
  linguists and software engineers
  developing NLP applications in industrial
  research and development labs of
  software companies

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for Discrete Memoryless Systems 2nd
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ISBN: 978-0521196819
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005.1 011
DAG
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005.8
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Cloud-Based Databases with Biometric
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DUB	**DUBOIS**, Michel	
p	Parallel Computer Organization and Design 1st Edition,-- Cambridge University Press, 2012. ISBN: 978-0521886758 NIB: S2-169, S2-170	

006,6		016
FAD	**FADLISYAH**	
p	Panduan Praktis Komputer Grafik Dan Perancangan Game,-- Graha Ilmu, 2014 ISBN: 9789797566869 NIB: S2-288, S2-289, S2-290	

005.8		017
FER	**FERGUSON**, Nels	
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005.74		018
FOR	**FOREMAN**, John W.	
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GRE	**GREBLICKI**, Wlodzimierz	
n	Nonparametric System Identification 1st Edition,-- Cambridge University Press, 2008. ISBN: 978-1107410626 NIB: S2-182, S2-183	

003.3		020
GUI	**GUIZANI**, Mohsen	
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006.6		021
HAN	**HAN**, Zhu	
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This unified treatment of game theory focuses on finding state-of-the-art solutions to issues surrounding the next generation of wireless and communications networks. Future networks will rely on autonomous and distributed architectures to improve the efficiency and flexibility of mobile applications, and game theory provides the ideal framework for designing efficient and robust distributed algorithms. This book enables readers to develop a solid understanding of game theory, its applications and its use as an effective tool for addressing wireless communication and networking problems. The key results and tools of game theory are covered, as are various real-world technologies including 3G networks, wireless LANs, sensor networks, dynamic spectrum access and cognitive networks. The book also covers a wide range of techniques for modeling, designing and analysing communication networks using game theory, as well as stateof-the-art distributed design techniques.

006.42   **022**
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p   **HERMAWATI**, Fajar Astuti
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ISH
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004.68   **025**
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s   **ISHIDA**, Yoshiteru
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005.133   **026**
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ISBN: 978-0521880992
NIB: S2-167, S2-168

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Building GUI Tools 1st Edition,-- John
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NIB: S2-064, S2-065, S2-066, S2-067

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LYN
i   **LYNN**, Benjamin
Implementing Pairing-Based
Cryptography: How to find and
compute pairings,-- VDM Verlag Dr.
Müller, 2009.
ISBN: 978-3639104868
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004.6   **030**
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Advances in Video, Audio, and Imagery
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NIB: S2-303

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NAS **NAAS**, Paul
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    ISBN: 978-1118575079
    NIB: S2-072, S2-073

The premiere book on getting started with Maya 2014. Whether you're just beginning, or migrating from another 3D application, this step-by-step guide is what you need to get a good working knowledge of Autodesk Maya 2014. Beautifully illustrated with full color examples and screenshots, Autodesk Maya 2014 Essentials explains the basics of Maya as well as modeling, texturing, animating, setting a scene, and creating visual effects. You'll absorb important concepts and techniques, and learn how to confidently use Maya tools the way professionals do. Each chapter includes fun and challenging hands-on projects, which you can do as you go using the downloadable files from the book's website. They include starting and ending files, so you can compare your results to how professionals do the projects.

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006.37   **035**
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    Computer Vision 2nd Edition,--
    john Wiley & Sons, 2011.
    ISBN: 978-0470643853
    NIB: S2-076, S2-077

006.42   **036**
PRA **PRASETYO**, Eko
p   Pengolahan Citra Digital dan
    Aplikasinya menggunakan Matlab,--
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    ISBN: 9789792927030
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006.6   **037**
PRA **PRANATA**, Baskara A.
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    Finansialnya dengan Unity 3D,--
    Elex Media Komputindo, 2015.
    ISBN: 9786020258089
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004.678   **038**
PUR **PURBO**, Onno W.
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    Andi, 2012.
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    NIB: S2-294, S2-295, S2-296

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005.86   **040**
RAS **RASS**, Stefan
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    Cloud Computing,-- Artech House, 2013
    ISBN: 978-1608075751
    NIB: S2-147

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REY
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NIB: S2-263

006,3   **042**
ROE
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Informatika, 2015
ISBN: 9786021514979
NIB: S2-285, S2-286, S2-287

1. *Basic Tutorial, Hello World Unity, Data Type, Array & Class, Looping Function, Keyboard Input, Mouse Input, Android Input, Fade In Splash Screen,Guiskin Menu, Sound Option, Find & Rotate, Camera Manipulation, Toggle Material, Clone Ball, Translate Cube, Raycast Cube, Shooting Target, Simple Animation, Jepret Webcam, Go Particle, Ui System,*
2. *Puzzle Logic, Hello Terrain 3d, Day And Night, Hello Terrain 2d, Jungle Illusion, Kiky. Si Kancil, Attack On Kancil, Sprite Character,*
3. *Package Fusion, Php & Mysql, Visual Novel, Augmented Reality, Face Recognition, Unity Ads*

005.133   **043**
ROU
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Scientific Software Design: The Object-
Oriented Way 1st Edition,-- Cambridge
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ISBN: 978-1107415331
NIB: S2-158, S2-159

004.1   **044**
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i   **SHIFLET**, Angela B.
Introduction to Computational Science:
Modeling and Simulation for the
Sciences, Second Edition,-- Princeton
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ISBN: 9780691160719
NIB: S2-224, S2-304

006.3   **045**
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Computational Intelligence: Synergies
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Evolutionary Computing 1st Edition,--
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ISBN: 978-1118337844
NIB: S2-080, S2-081

006.3   **046**
SNY
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ISBN: 978-0521169813
NIB: S2-166

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SOF
c   **SOFANA**, Iwan
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AWS),-- Informatika, 2012.
ISBN: 9786028758925
NIB: S2-276, S2-277, S2-278

005.133   **048**
SOG   SOGAARD, Anders
s   Semi-Supervised Learning and Domain
       Adaptation in Natural Language
       Processing,-- Morgan & Claypool
       Publishers, 2013.
       ISBN: 9781608459858
       NIB: S2-220, S2-221

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003.3   **049**
SOK   SOKOLOWSKI, John A.
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       Modeling and Simulation 1st Edition,--
       John Wiley & Sons, Inc., 2012.
       ISBN: 9781118117774
       NIB: S2-222, S2-223

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STE   STEPHENS, Rod
e   Essential Algorithms: A Practical
       Approach To Computer Algorithms,--
       John Wiley & Sons, 2013.
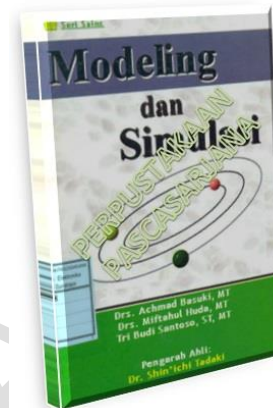   ISBN: 978-1118612101
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004.678   **051**
WAH   WAHANA KOMPUTER
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       Generasi Cloud Computing,-- Andi, 2011
       ISBN: 9789792926262
       NIB: S2-264, S2-265, S2-266

005.133   **052**
WIL   WILLIAMS, Nicholas S.
p   Professional Java for Web Applications
       1st Edition, Wrox, a Wiley Brand, 2014.
       ISBN: 978-1118656464
       NIB: S2-068, S2-069

006.68   **053**
YU   YU, Jun
m   Modern Machine Learning Techniques
       and Their Applications in Cartoon
       Animation Research 1st Edition,--
       John Wiley & Sons - IEEE Press, 2013.
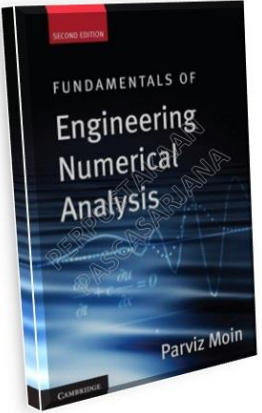   ISBN: 978-1118115145
       NIB: S2-074, S2-075

▢ M I P A

511.8   054
BAS   BASUKI, Achmad
m   Modeling dan Simulasi,
       IPTAQ Mulia Media, 2004.
       ISBN: 979-98656-1-1
       NIB: S2-055, S2-056, S2.057

Modeling dan simulasi merupakan bahasan yang sangat menarik karena di dalamnya terkandung konsep mem- buat sauté model dan teknik-teknik yang digunakan untuk menyele-saikan banyak permasalahan yang sulit. Dengan kata lain, materinya memba-has cara menyelesaikan sauté permasalah-an yang sulit dengan membangun model dan melakukan simulasi sehingga dapat dimengerti dan akhirnya dapat dipecahkan dengan mudah. Materi modeling dan simulasi memang di- penuhi dengan statis-tik dan matematika sehingga seolah tampak sulit dan membosankan. Oleh kare-na itu, kami (penulis) berupaya membuat materi yang dipenuhi formulasi kompleks dengan contoh-contoh yang mudah dimengerti.

511.43   055
BER   BERENDSEN, Herman JC.
s   A Student's Guide to Data and Error
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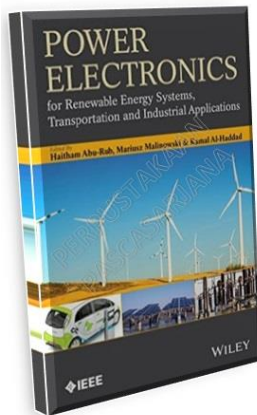   ISBN: 978-0521134927
       NIB: S2-094, S2-173

515.35   **056**
CEN
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Differential Equations for Engineers and Scientists,-- McGraw Hill Book, 2013.
ISBN: 978-0071310420
NIB: S2-113, S2-114

511.3   **057**
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An Introduction to Practical Formal Methods Using Temporal Logic 1st Edition,-- John Wiley & Sons, 2011
ISBN: 978-0470027882
NIB: S2-090, S2-091

530.427   **058**
ICH
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ISBN: 978-0521184021
NIB: S2- 191, S2-192

519.402   **059**
INA
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Numerical Electromagnetics: The FDTD Method 1st Edition, Cambridge University Press, 2011.
ISBN: 978-0521190695
NIB: S2- 150, S2-151

519.5   **060**
KOB
p   **KOBAYASHI**, Hishashi
Probability, Random Processes, and Statistical Analysis,-- Cambridge University Press, 2012
ISBN: 9780521895446
NIB: S2-225, S2-226

515   **061**
LAR
c   **LARSON**, Ron
Calculus, International Edition, 10th Edition,-- Brooks/Cole, 2014.
ISBN: 9781285091082
NIB: S2-262

515   **062**
MOI
f   **MOIN**, Parviz
Fundamentals of Engineering Numerical Analysis 2nd Edition, Cambridge University Press, 2010.
ISBN: 978-0521711234
NIB: S2- 160, S2-161

Since the original publication of this book, available computer power has increased greatly. Today, scientific computing is playing an ever more prominent role as a tool in scientific discovery and engineering analysis. In this second edition, the key addition is an introduction to the finite element method. This is a widely used technique for solving partial differential equations (PDEs) in complex domains. This text introduces numerical methods and shows how to develop, analyze, and use them. Complete MATLAB programs for all the worked examples are now available at www.cambridge. org/Moin, and more than 30 exercises have been added. This horough and practical book is intended as a first course in numerical analysis, primarily for new graduate students in engineering and physical science.

532   **063**
SHY
f   **SHYY**, Wei
Fluid Dynamics at Interfaces,-- Cambridge University Press, 1999
ISBN: 978-0521135160
NIB: S2- 186, S2-187

☐ TEKNIK LISTRIK

321.317   **064**
ABU
p   **ABU-RUB**, Haitham
Power Electronics for Renewable Energy Systems, Transportation and Industrial Applications 1st Edition,-- John Wiley - IEEE Press,2014.
ISBN: 978-1118634035
NIB: S2-103, S2-104

Compiles current research into the analysis and design of power electronic conver-ters for industrial applica-tions and renewable energy systems, presenting modern and future applications of power electronics systems in the field of electrical vehicles. With emphasis on the importance and longterm viability of Power lectronics for Renewable Energy this book brings together the state of the art knowledge and cutting-edge techniques in various stages of research. The topics included are not currently available for practicing professionals and aim to enable the reader to directly apply the knowledge gained to their designs. The book addresses the practical issues of current and future electric and plug-in hybrid electric vehicles (PHEVs), and focuses primarily on power electronics and motor drives based solutions for electric vehicle (EV) techno-logies. Propulsion system requirements and motor sizing for EVs is discussed, along with practical system sizing examples. Key EV battery technologies are explained as well as corresponding battery management issues.

621.4   **065**
DAF
h   **DAFIEL**, Jacob Naanlong
Harnessing the Wasted Mechanical Energy from Walking for Irrigation: Harnessing Energy,Irrigation,Renewable Energy, Wasted Mechanical Energy, Walking, Clean Energy,-- LAMBERT Academic Pub., 2012.
ISBN: 978-3848407262
NIB: S2-117, S2-118

621.31   **066**
DOK
p   **DOKIO**, Branko L.
Power Electronics: Converters and Regulators 3rd edition,-- Springer, 2015
ISBN: 978-3319094014
NIB: S2-180 S2-181

621.312   **067**
GEV
l   **GEVORKIAN**, Peter
Large-Scale Solar Power Systems: Construction and Economics,-- Cambridge University Press, 2012.
ISBN: 978-1107697171
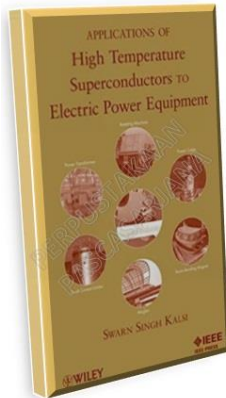NIB: S2-184 S2-185

621.314   **068**
HUR
t   **HURLEY**, William G.
Transformers and Inductors for Power Electronics: Theory, Design and Applications 1st Edition,-- John Wiley & Sons, 2013.
ISBN: 978-1119950578
NIB: S2-105, S2-106

621.312   **069**
ISH
s   **ISHIGAI,** Sheikan
Steam Power Engineering: Thermal and Hydraulic Design Principles 1st Edition,-- Cambridge University Press, 1999.
ISBN: 978-0521135184
NIB: S2-195, S2-196

321.310   **070**
KAL   **KALSI**, Swarn S.
a   Applications of High Temperature
Superconductors to Electric Power
Equipment 1st Edition,-- John Wiley-
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ISBN: 9780470167687
NIB: S2-231, S2-232

The only one-stop reference to design, analysis, and manufac-turing concepts for power devices utilizing HTS. High temperature superconductors (HTS) have been used for building many devices for electric grids worldwide and for large ship propulsion motors for the U.S. Navy. And yet, there has been no single source discussing theory and design issues relating to power applications of HTS until now. This book provides design and analysis for various devices and includes examples of devices built over the last decade. Starting with a complete overview of HTS, the subsequent chapter are dedicated to specific devices: cooling and thermal insulation systems; rotating AC and DC machines; transformers; fault current limiters; power cables; and Maglev transport. As applicable, each chapter provides a history of the device, principles, configuration, design and design challenges, prototypes, and manufacturing issues, with each ending with a summary of the material covered.

621.312   **071**
KHA   **KHATTAK**, Muhammad Arshad
r   A Review & Analysis of Solar MPPT
Algorithms & Hardware Architectures,--
LAMBERT Academic Pub., 2014.
ISBN: 978-3659595059
NIB: S2-107, S2-108

621.312   **072**
MIR   **MIRBAGHERI**, S. Zahra
m   MPPT for stand alone PV System using
incremntal conductance method,--
LAMBERT Academic Pub., 2014.
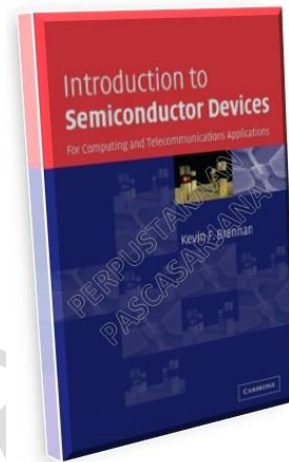ISBN: 978-3659533013
NIB: S2-101, S2-102

621.312   **073**
TWI   **TWIDELL**, John.
g   A Guide to Small Wind Energy
Conversion Systems,-- Cambridge
University Press, 2011.
ISBN: 978-0521281621
NIB: S2-193, S2-194

621.4   **074**
WEN   WENGENMAYR, Roland
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Concepts for the Energy Change 2nd
Edition, Wiley –VCH, 2010.
ISBN: 978-1119950578
NIB: S2-105, S2-106

621.4   **075**
ZHO   **ZHONG**, Qing-Chang
c   Control of Power Inverters in
Renewable Energy and Smart Grid
Integration 1st Edition, John Wiley &
Sons - IEEE Press, 2013.
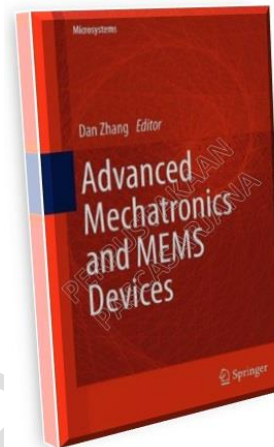ISBN: 978-0470667095
NIB: S2-119, S2-120

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621.381   **076**
ALC   **ALCIATORE**, David
i   Introduction to Mechatronics and
Measurement Systems 4th edition,--
ISBN: 978-0071086042
NIB: S2-135

621.381   **077**
BAK   **BAKER**, Jacob B.
c   CMOS: Mixed-Signal Circuit Design,
Second Edition,-- John Wiley & Sons -
IEEE Press, 2009.
ISBN: 978-0470290262
NIB: S2-124, S2-125.

621.381   **078**
BAK   **BAKER**, Jacob B.
c   CMOS Circuit Design, Layout, and
Simulation, 3rd Edition (IEEE Press
Series on Microelectronic Systems),--
John Wiley & Sons - IEEE Press, 2010.
ISBN: 978-0470881323
NIB: S2-126

621.381   **079**
BAK   **BAKIR**, Muhannad S.
i   Integrated Interconnect Technologies
for 3D Nanoelectronic Systems
(Integrated Microsystems) 1st Edition,--
Artech House, 2009
ISBN: 978-1596932463
NIB: S2-199, S2-200

621.381   **080**
BAL   **BALTES**, Henry
c   CMOS-MEMS: Advanced Micro and
Nanosystems 1st Edition,--
Wiley –VCH, 2005.
ISBN: 978-3527310807
NIB: S2-127, S2-128

621.381   **081**
BRE   **BRENNAN**, Kevin F.
i   Introduction to Semiconductor Devices:
For Computing and elecommunications
Applications 1st Edition,-- Cambridge
University Press, 2010.
ISBN: 978-0521153614
NIB: S2-203, S2-204

This volume offers a solid foundation for understanding the most important devices used in the hottest areas of electronic engineering today, from semiconductor fundamentals to state-of-the-art semicon-ductor devices in the telecommuni-cations and computing industries. Kevin Brennan describes future approaches to computing hardware and RF power amplifiers, and explains how emerging trends and system demands of computing and telecommuni-cations systems influence the choice, design, and operation of semiconductor devices. In addition, he covers MODFETs and MOSFETs, short channel effects, and the challenges faced by continuing miniaturiza-tion. His book is both an excellent enior/graduate text and a valuable reference for practicing engineers and researchers.
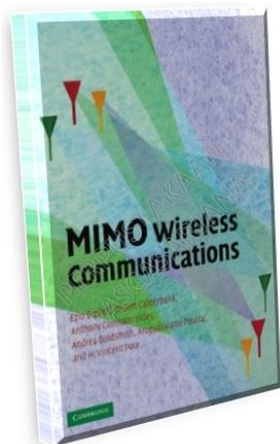
621.381   **082**
DUE   **DUECK**, Robert K.
d   Digital Electronics,-- Delmar Cengage
Learning, 2012.
ISBN: 978-1111308209
NIB: S2-111, S2-112

621.381 **083**

HAB
i
HABIB, Mari K.
Interdisciplinary Mechatronics:
Engineering Science and Research
Development 1st Edition,--
Wiley-ISTE,2013.
ISBN: 978-1848214187
NIB: S2-136, S2-137

621.381 **084**

MAR
f
MAHIC, Michel E
Fiber Optical Parametric Amplifiers,
Oscillators and Related Devices 1st
Edition,-- Cambridge University
Press, 2012.
ISBN: 978-1107410619
NIB: S2-152

621.381 **085**

SAD
SADIKU, Matthew NO.
Applied Circuit Analysis, McGraw Hill
Book, 2013.
ISBN: 978-0071317825
NIB: S2-109, S2-110

621.381 **086**

SCH
d
SCHMIDT, Robert M.
The Design of High Performance
Mechatronics - 2nd Revised Edition:
High-Tech Functionality by Multidisci-
plinary System Integration 2nd Edition,-
Delf University Press, 2014.
ISBN: 978-1614993674
NIB: S2-211

R
621.381 **087**

WIL
l
WILAMOLSKI, Bodgan
Industrial Electronics HAndbook 2nd
Edition, Control and Mechatronics,--
CRC Press, 2011.
ISBN: 9781439802878
NIB: S2-240

621.381 **088**

ZHA
a
ZHANG, Dan
Advanced Mechatronics and MEMS
Devices (Microsystems),--
Springer, 2013.
ISBN: 978-1441999849
NIB: S2-210.

*Advanced Mechatronics and MEMS
Devicesdescribes state-of-the-art MEMS
devices and introduces the latest
technology in electrical and mechanical
microsystems. The evolution of design in
microfabrication, as well as emerging
issues in nanomaterials, micromachining,
micromanufacturing   and microassembly
are all discussed at length in this volume.
Advanced Mechatronics also provides a
reader with knowledge of MEMS sensors
array, MEMS multidimensional
accelerometer, artificial skin with
imbedded tactile components, as well as
other topics in MEMS sensors and
transducers. The book also presents a
number of topics in advanced robotics
and an abundance of a pplications of
MEMS in robotics, like reconfigurable
modular snake robots, magnetic MEMS
robots for drug delivery and flying robots
with adjustable wings,   to name a few.*

☐ TEKNIK TELEKOMUNIKASI

621.385   **089**
BIG   **BIGLIERI**, Ezio
m   MIMO Wireless Communications 1st Edition,-- Cambridge University Press, 2010.
ISBN: 978-0521137096
NIB: S2-143, S2-144

Multiple-input multiple-output (MIMO) technology constitutes a breakthrough in the design of wireless communications systems, and is already at the core of several wireless standards. Exploiting multipath scattering, MIMO techniques deliver significant performance enhancements in terms of data transmission rate and interference reduction. This book is a detailed introduction to the analysis and design of MIMO wireless systems Beginning with an overview of MIMO technology, the authors then examine the fundamental capacity limits of MIMO systems. Transmitter design, including precoding and space-time coding, is then treated in depth, and the book closes with two chapters devoted to receiver design. Written by a team of leading experts the book blends theoretical analysis with physical insights, and highlights a range of key design challenges. It can be used as a textbook for advanced courses on wireless communications, and will also appeal to researchers and practitioners working on MIMO wireless systems.

621.388   **090**
FIS   **FISCHER**, Walter
d   Digital Video and Audio Broadcasting Technology: A Practical Engineering Guide 3rd ed. 2010 Edition,-- Springer, 2010.
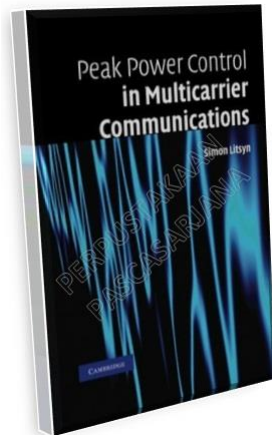ISBN: 978-3642116117
NIB: S2-099, S2-100

621.382   **091**
GRA   **GRAY**, Robert M.
l   An Introduction to Statistical Signal Processing 1st Edition,-- Cambridge University Press, 2004.
ISBN: 978-0521131827
NIB: S2-207, S2-208

621.384   **092**
HAA   **HAAS**, Harald
n   Next Generation Mobile Access Technologies: Implementing TDD 1st Edition,-- Cambridge University Press, 2012.
ISBN: 978-1107407794
NIB: S2-155

621.382   **093**
HAE   HAENGGI, Martin
s   Stochastic Geometry for Wireless Networks 1st Edition,-- Cambridge University Press, 2012.
ISBN: 978-1107014695
NIB: S2-145

621.382   **194**
JOH   **JOHNSON**, C.Richard
s   Software Receiver Design: Build your Own Digital Communication System in Five Easy Steps 1st Edition,-- Cambridge University Press, 2011.
ISBN: 978-1107007529
NIB: S2-153

621.384 195
LIT **LITSYN**, Simon
p Peak Power Control in Multicarrier
Communications 1st Edition,--
Cambridge University Press, 2007.
ISBN: 978-1107407176
NIB: S2-205, S2-206

*Peak signal power is an important factor in
the implementation of multicarrier (MC)
modulation schemes like OFDM, in wireless
and wireline communication systems.
This book describes tools necessary for
analyzing and controlling the peak-to-
average power ratio in MC systems,
and how these techniques are applied in
practical designs. The author starts with an
overview of multicarrier signals and basic
tools and algorithms, before discussing
properties of MC signals in detail: discrete
and continuous maxima; statistical
distribution of peak power; codes with
constant peak-to-average power ratio are
all covered, concluding with methods to
decrease peak power in MC systems.
Current knowledge, problems, methods and
definitions are summarized using rigorous
mathematics, with an overview of the tools
for the engineer. The book is aimed at
graduate students and researchers in
electrical engineering, computer science and
applied mathematics, and practitioners in
the telecommunications industry.*

621.384 196
LUO **LUO**, Fa-Long
m Mobile Multimedia Broadcasting
Standards: Technology and Practice,--
Springer, 2008.
ISBN: 978-1441946126
NIB: S2-178, S2-179

621.384 197
MAR MARSON, Patrick
c Coordinated Multi-Point in Mobile
Communications: From Theory to
Practice 1st Edition,-- Cambridge
University Press, 2011.
ISBN: 978-1107004115
NIB: S2-174, S2-175

621.384 198
MIL **MILES**, Stephen B.
r RFID Technology and Applications,--
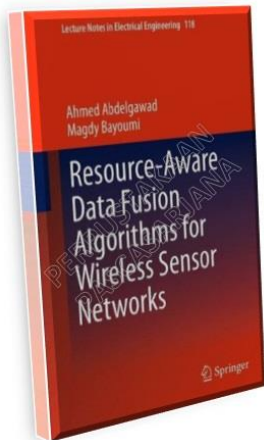Cambridge University Press, 2011.
ISBN: 978-0521169615
NIB: S2-154

621.384 199
QIU **QIU**, Xiaolan
b Bistatic SAR Data Processing Algorithms
1st Edition,-- John Wiley & Sons, 2013.
ISBN: 978-1118188088
NIB: S2-088, S2-089

621.382 200
ROB **ROBERTS**, Michael J.
s Signals and Systems Analysis Using
Transform Methods and Matlab,--
McGraw Hill Book, 2012.
ISBN: 978-0071086738
NIB: S2-129, S2-130

621.382 201
VAI **VAIDYANATHAN**, P. P.
s Signal Processing and Optimization for
Transceiver Systems 1st Edition,--
Cambridge University Press, 2010.
ISBN: 978-0521760799
NIB: S2-148, S2-149

☐TEKNIK LAIN

681.2   **202**
ABD   **ABDELGAWAD**, Ahmed
r   Resource-Aware Data Fusion Algorithms
for Wireless Sensor Networks (Lecture
Notes in Electrical Engineering 118),--
Springer,2012.
ISBN: 978-1461413493
NIB: S2-209

This book introduces resource
aware data fusion algorithms to gather and
combine data from multiple sources (e.g.,
sensors) in order to achieve inferences.
These techniques can be used in centralized
and distributed systems to overcome
sensor failure, technological limitation, and
spatial and temporal coverage problems.
The algorithms described in this book are
evaluated with simulation and experimental
results to show they will maintain data
integrity and make data useful and infor-
mative. ● Describes techniques to
overcome real problems posed by wireless
sensor networks deployed in circumstances
that might interfere with measurements
provided, such as strong variations of
pressure, temperature, radiation, and
electromagnetic noise; ● Uses simulation
and experimental results to evaluate
algorithms presented and includes real
test-bed; ● Includes case study
implementing data fusion algorithms on
a remote monitoring framework for sand
production in oil pipelines.

621.3   **203**
BEL   **BELEGUNDU**, Ashok D.
o   Optimization Concepts and Applications
in Engineering 2nd Edition,-- Cambridge
University Press, 2014.
ISBN: 978-1107674172
NIB: S2-156, S2-157

624.171   **204**
BIS   **BISHOP**, R. E. D.
m   The Mechanics of Vibration,--
Cambridge University Press, 1979.
ISBN: 978-1107402454
NIB: S2-213

621.367   **205**
CHA   **CHAO**, Haiyang
r   Remote Sensing and Actuation Using
Unmanned Vehicles 1st Edition,--John
Wiley & Sons - IEEE Press, 2012.
ISBN: 978-1118122761
NIB: S2-133, S2-134

623.812   **206**
FAL   **FALTISEN**, Odd M.
h   Hydrodynamics of High-Speed Marine
Vehicles 1st Edition,-- Cambridge
University Press, 2005.
ISBN: 978-0521178730
NIB: S2-189, S2-190

621.042   **207**
GIN   **GINLEY**, David S(Editor)
f   Fundamentals of Materials for Energy
and Environmental Sustainability 1st
Edition),--Cambridge University
Press,2012.
ISBN: 978-1107000230
NIB: S2-197, S2-198

621.398   **208**
MAN   **MANGANARO**, Gabriele
a   Advanced Data Converters 1st Edition,--
Cambridge University Press, 2012.
ISBN: 978-1107005570
NIB: S2-171, S2-172

621.32   **209**
MIF   **MIFTAHOF**, Roustem N.
m   Mathematical Foundations and
Biomechanics of the Digestive System
1st Edition,--Cambridge University
Press, 2010.
ISBN: 978-0521116626
NIB: S2-201, S2-202

621.395   **210**
VAH   **VAHID**, Frank
d   Digital Design with RTL Design, VHDL,
and Verilog 2nd Edition,--John Wiley &
Sons, 2011.
ISBN: 978-0470531082
NIB: S2-084, S2-085

621.042   **211**
VEN   **VENKATASUBRAMANIAN**, Rama
e   Energy Harvesting - Recent Advances in
Materials, Devices and Applications
(MRS Symposium Proceedings Volume
1325),-- Cambridge University Press,
2012.
ISBN: 978-1605113029
NIB: S2-188, S2-234

KONTROL OTOMASI

629.229   **212**
BER   **BERETTA**, Joseph(Editor)
a   Automotive Electricity: Electric Drive 1st
Edition,--WILEY ISTE,2010.
ISBN: 978-1848210950
NIB: S2-233, S2-253

629.895   **213**
BOR   **BORDEN**, Terry
t   Technician's Guide to Programmable
Controllers 6th edition,-- Delmar
Cengage Learning, 2013.
ISBN: 978-1133277620
NIB: S2-131, S2-132

Practical and up-to-date, TECHNICIAN'S GUIDE TO PROGRAMMABLE CONTROL-LERS, 6E, International Edition provides readers with the most comprehensive introduction to PLCs available on the market today. Theory, hardware, instructions, programming, installation, startup, and troubleshooting are discussed in detail in a way that is easy to understand and apply. In addition, supplementary programming examples utilizing the PLC instructions in the book give readers a better understanding of the various instructions and how they can be combined to create simple yet effective control logic solutions for today's world.

629.893   **214**
DUD   **DUDEK**, Gregory
c   Computational Principles of Mobile
Robotics 2nd Edition,--Cambridge
University Press, 2010.
ISBN: 978-0521692120
NIB: S2-212

☐MANAJEMEN

629.895　　　　　　　　　　**215**
GRO　**GROSSARD**, Mathieu(Editor)
f　　Flexible Robotics: Applications to
Multiscale Manipulations 1st Edition,--
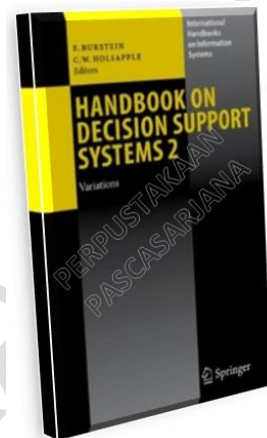Wiley-ISTE, 2013.
ISBN: 978-1848215207
NIB: S2-138

629.132　　　　　　　　　　**216**
GUE　**GUERRERO**, Josep.(Editor)
f　　Flight Formation Control 1st Edition,--
Wiley-ISTE, 2012.
ISBN: 978-1848213234
NIB: S2-139

629.89　　　　　　　　　　**217**
MAT　**MATHIA**, Karl
r　　Robotics for Electronics Manufacturing:
Principles and Applications in
Cleanroom Automation 1st Edition,--
Cambridge University Press,2010.
ISBN: 978-0521876520
NIB: S2-241

629.892　　　　　　　　　　**218**
PUT　**PUTRO**, Idris Eko
m　　Modeling and Control Simulation For
Autonomous Quadrotor: Quadrotor
Nonlinear Modeling and Control
Simulation using Matlab/Simulink
environment,-- LAMBERT Academic
Pub., 2011.
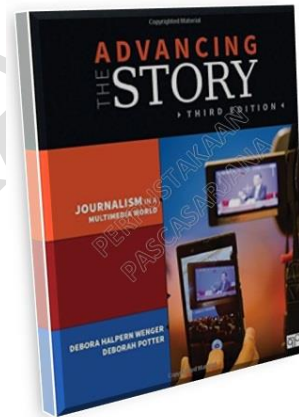ISBN: 978-3844318067
NIB: S2-078, S2-079

629.89　　　　　　　　　　**219**
YAM　**YAMAGUCHI**, Takashi(Editor)
a　　Advances in High-Performance Motion
Control of Mechatronic Systems,--CRC
Press, 2013.
ISBN: 978-1466555709
NIB: S2-239

R
658.403　　　　　　　　　　**220**
BUR　**BURSTEIN**, Frada
h　　Handbook on Decision Support
Systems2 : Variations,--Springer,2008.
ISBN: 978-3540487159
NIB: S2-261

As the most comprehensive reference work dealing with decision support systems (DSS), this book is essential for the library of every DSS practitioner, researcher, and educator. Written by an international array of DSS luminaries, its more than 70 chapters approach decision support systems from a wide variety of perspec tives ranging from classic foundations to cutting-edge thought, informative to provocative, theoretical to practical, historical to futuristic, human to technological, and operational to strategic. The chapters are conveniently organized into 10 major sections: foundations of decision support systems, DSS fundamen tals, multipartici- pant DSSs, intelligent DSSs, effects of decision support, time and space issues, scopes of decision support, developing and managing decision support systems, cases and applications, and decision support horizons. Novices and experts alike will refer to the authoritative and stimulating content again and again for years to come.

658.403   **221**
KAG
p   **KAGAN**, Eugene
Probabilistic Search for Tracking
Targets: Theory and Modern,--
Cambridge University Press, 2013.
ISBN: 978-0470973936
NIB: S2-121, S2-122, S2-123

658.311   **222**
KEN
j   **KENNEDY**, Joyce Lain
Job Interviews For Dummies,-- John
Wiley & Sons, Inc., 2012.
ISBN: 978-1118112908
NIB: S2-242, S2-243, S2-244

658.311   **223**
KEN
j   **KENNEDY**, Joyce Lain
Job Search Letters For Dummies,-- John
Wiley & Sons, Inc., 2013.
ISBN: 978-1118436417
NIB: S2-245, S2-246, S2-247

☐ LAIN-LAIN

001.2   **224**
CAR
r   **CARLO**, Laura De
Resumes For Dummies,-- John Wiley &
Sons, 2015.
ISBN: 978-1118982600
NIB: S2-140, S2-141, S2-142

771.1   **225**
ESS
l   **ESSIG**, Linda
Lighting and the Design Idea,--
Wadsworth,2013.
ISBN: 978-1111836870
NIB: S2-227, S2-228

741.6   **226**
EVA
e   **EVANS**, Poppy
Exploring the Elements of Design 3rd
edition,--Delmar Cengage Learning,
2013.
ISBN: 978-1111645502
NIB: S2-095, S2-096

778.593   **227**
TOM
a   **TOMPKINS**, Al
Aim for the Heart: Write, Shoot, Report
and Produce for TV and Multimedia 2nd
Edition,-- Cambridge University Press.,
2011.--ISBN: 978-1608716746
NIB: S2-176, S2-177

070.19   **228**
WEN
a   **WENGER**, Debora Halpern
Advancing the Story; Broadcast
Journalism in a Multimedia World 3ed,--
CQ Press, 2015.
ISBN: 978-1483351001
NIB: S2-097, S2-098

This fully updated Third Edition of Advancing the Story, by Debora Halpern Wenger and Deborah Potter, builds on the essential strengths of the original text by providing clear instruction on reporting and producing for multiple platforms, real-world examples, advice from professional journalists and exercises to stimulate additional conversations. By focusing on the skills journalists need to leverage social media and capitalize on the use of mobile devices, the authors explore the role data-driven journalism is playing in the profession. Throughout the book, new screen shots, images, research and examples of broadcast and multimedia reporting bring concepts to life. Additionally, a greater emphasis on journalism ethics permeates the book, with each chapter now including a series of discussion starters to ensure that student consider the ethical implications of their journalistic decisions.

⬜ SASTRA (NOVEL)

813   **229**
DRA
f   **DRAANEN**, Wendelin Van
FLIPPED: you never forget your first love,--Lingkar Pena,2011.
ISBN: '978-6028851800
NIB: S2-214

814   **230**
HUD
k   **HUDA**, Nur Cholis
Kasih Ilahi Tak Bertepi,--Hikmah Press, 2016.
ISBN: 978-6023810031
NIB: S2-301, S2-302

808.831   **231**
LES
r   **LESTARI**, Dee
Rectoverso,--Bentang Pustaka, 2012.
ISBN: 978-602-7888-03-6
NIB: S2-014

813   **232**
LES
p   **LESTARI**, Dee
Perahu Kertas,--Bentang Pustaka, 2015.
ISBN: 978-602-291-095-4
NIB: S2-015

778.53   **233**
LES
f   **LESTARI**, Dee
Filosofi Kopi : Sebuah Kolaborasi,--Bentang Pustaka, 2015.
ISBN: 978-602-291-098-5
NIB: S2-016

808.831   **234**
LES
m   **LESTARI**, Dee
Madre,--Bentang Pustaka, 2015.
ISBN: 978-602-291-093-0
NIB: S2-017

813   **235**
LES
s   **LESTARI**, Dee
Supernova 1: Kesatria, Putri, dan Bintang Jatuh,--Bentang Pustaka, 2015.
ISBN: 978-602-8811-72-9
NIB: S2-018

813   **236**
LES
s   **LESTARI**, Dee
Supernova : Petir,--Bentang Pustaka, 2015.
ISBN: 978-602-291-054-1
NIB: S2-019

Dua tahun setelah roman mereka rampung, Dimas dan Reuben mengalami stagnasi. Hingga suatu hari mereka mendapat surat elektronik dari seseorang bernama Gio. Kata Supernova yang disebut Gio dalam surat itu menjadi tanda tanya baru sekaligus awal pengetahuan Dimas dan Reuben tentang jaringan yang selama ini melibatkan mereka tanpa disadari. Sementara itu, di Kota Bandung, seorang gadis sebatang kara bernama Elektra berusaha menyambung hidup. Berawal dari perkenalannya dengan seorang yogini bernama Ibu Sati dan seorang entreprenur muda urakan bernama Toni alias Mpret, hidup Elektra mulai terakselerasi. Dari anak kuper yang tidak punya motivasi, Elektra bertransformasi menjadi seorang pengusaha, dan akhirnya seorang penyembuh. Setelah nyaman dalam lingkungannya yang baru, hidup Elektra kembali siap diguncang ketika Bong memintanya untuk menolong seseorang yang tak ia kenal bernama Bodhi.

813   **237**
LES   **LESTARI**, Dee
s   Supernova : Inteligensi Embun Pagi,--
        Bentang Pustaka, 2015.
        ISBN: 978-602-291-131-9
        NIB: S2-020

920   **238**
ZHA   **Zhafiraraiha**
h   Here's to Us,--HTU Books, 2016.
        HTU 016 04.001
        NIB: S2-215