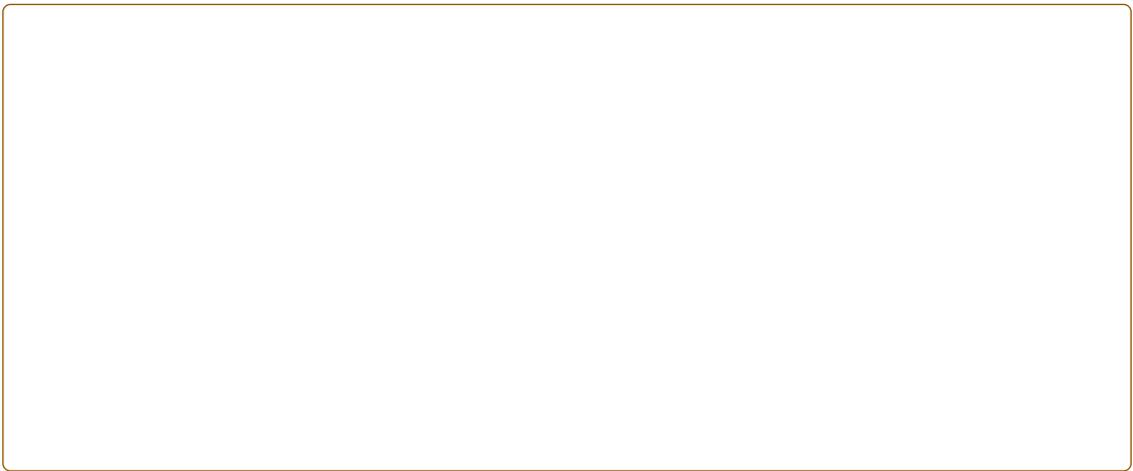


\$OOHYLDWLRQ RI WKH (IIFWQDRX & JXSLFXU) BQWU
8OYD ODFW XFD

'XUDLSD OGLD OYXJDSHUXB DD5/XEUDP DQO QDQHVK '
'HSDUWPHQW RI %RWDQ\ \$\\D 1DGDU -DQDNL \$PPDO &ROOHJH 6LYDNDVL 9LUXGKXQDJDU 'LVWULFW 7DP
6FKRRO RI %LRWHFKQRORJ\ 0DGXUDL .DPDUDM 8QLYHUVLW\ 0DGXUDL 7DPLO 1DGX ,QGLD
&RUUHVSRRQLQSD D WKRUD PDQLDQ 9 'HSDUWPHQW) m\$EVRUSWLRQ 6SHFWURVFRS\ \$\$6 ZDV HPSOR\HG
&X UHYHDOV WKDW YLJRWLRQ DOX QDIXHFXWVSHB SODQWV D QG YKH QLEW\G DDOJD
HIIHFWLYHO\ ELRVRUEHG WKH FRSSHU KHDY\ PHWDO DQG JHW ULG IURP VRLO



.HIZRUG&Z SHD &RSSHU WR[LFLW\ %LR VRUSWLRQ \$WRPLF
DEVUSWLRQ VSHFWURVFRS\

,QWURGXFWRQ

+HDY\ PHWDO SROOXWLRQ LV FRPPRQ LQ ,QGLD 0LQLQJ DQG DJULFXOWXUH

7ZHOYH GD\ V ODWHU SODQWV RI 6HW , DQG 6HW , , WKH JURZWK SDUDPHWHUV
VXFK DV URRW OHQJWK DQG VKRRW OHQJWK DUH PHDVXUHG E\ VFDOH DQG
UHSUHVHQW ~~HGPRQSKR~~ RORJ\ RI OHDI DUHD ZDV PHDVXUHG E\
FRQYHQWLRQDO JUDSKLFDO PHWKRG E\ GUDZLQJ WKH RXWOLQH RI WKH OHDI LQ
JUDSK VKHHW DQG FRXQWLQJ WKH VPDOO DQG ELJ VTXDUHV ZLWK LQ LW DQG
H[SUHVHGH ~~LQURPZHLJKW~~ DQG IUHVK ZHLJKW RI WKH VHHGOLQJV
ZHUH REWDLQHG XVLQJ DQ HOHFWURQLF ZHLJKLQJ EDODQFH

7R TXDQWLI\ WKH FKORURSK\OO IURP OHDYHV IUHVK OHDYHV ZHUH GHYHLQHG
DQG FXW LQWR VPDOO ELWV IURP WKH SRRO OHDI ELWV D VDP SOH RI PJ
ZDV ZHLJK ~~ED~~ ELWV ZHUH KRPRJHQLJHG LQ DFHWRQH OLTXLG
XVLQJ PRUWDU ~~DESRSHVQWH~~ ZDV FHQWULIXJHG DW USP
UHYROXWLRQ SHU PLQXWH IRU PLQ DW URRP WHPSHUDWXUH |&
([WUDFWLRQ ZLWK DFHWRQH OLTXLG ZDV UHSHDWHG WLOO WKH SHOOHW
EHFRPHV ZKLWH SDOH ~~VXSRZLQDFRZD~~ XVHG IRU WKH
HVWLPDWLRQ RI SKRWRV\QWKHWLF SLJPHQWV

,Q VSHFWURSKRWRPHWLF PHDVXUHPHQWV WKH EODQNV ZHUH XVHG IRU WKH
VXEWUDFWLRQ RI ~~HOEVRKEDUFDGZQV~~ PHDVXUHG DW
QP QP DQG QP IRU FKORURSK\OO D FKORURSK\OO E DQG
FDURWHQRLGV UHVSHFWLYHO\ XVLQJ D ODE V\WURQLFV VSHFWURSKRWRPHW

&RQFHQWUD	6KBRW OHQJW	5RRW KOHQJW	/HDI DUHD)UHVK ZHLJKW	'U\ ZHLJKW
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&RQWUBO +

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9DOXHV DUH DQ DYHUDJH RI VL[REVHUYDWLRQV 9DOXHV LQ SDUHQWKHVLV DUH
 SHUFHQWDJH DFWLYLW\ ZLWK UHVSHFW WR FRQWURO 0HDQ “ 6(D ± J J J DQG J
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 WHVW

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UDQJH RI SK\VL RORJLFDO DQG PHWDEROLF DOWHUDWLRQV > @ ,Q WKH SUHVH
VWXG\ D UHPDUNDEOH SRVLWLYH FRUUHODWLRQ EHWZHHQ VRLO DQG VKRRW &X
FRQFHQWUDWLRQV ZDV ~~RRQFHQWUDWLRQV~~ ~~DDQ~~ ~~QWKHD~~ ~~FXHG~~
DQG PJNJ ': ZLWK WKH ~~WUHQ~~ ~~WPH~~ ~~QWV~~ &X
UHVSHFWLYHO\ > @ \$ KNH[~~SRV~~ ~~UIH~~ ~~WRI~~ ~~HPD~~ ~~VX~~
FHOOV DQG UHPDLQH YLDEOH >ZK@Q WUHDWHG ZLWK P0 &X

