

0DDVSSFODFT PG)VNBO 8JME 1JH \$POGMJDU J

\$OOZLQ RNDUQ 19HGDPDQLFNFRS DQDG 3DQGLDQ 66\$
ODGUDV 9HWHULQDU\ &ROOHJH &KHQQDL 7DPLO 1DGX
'HSDUWPHQW RI \$QLPDO +XVEDQGU\ 7DPLO 1DGX
&RUUHVSRRQGLQWRXW\$KROJZLQ 0DGUDV 9HWHULQDU\ &ROOHJH &KHQQDL G7DPLZDNDGXP DGFUD D7HO FRP
5HFHLYHG-GDWH \$FFHSHWG GDWH 3XEOLVKHG GDWH \$XJXVW
&RS\ULJKW < \$OOZLQ % HW DO 7KLV LV DQ RSHQ DFFHVV DUWLFOH GLVWULEXWHG XQGHU WKH WHU
XVH GLVWULEXWLRQ DQG UHSURGXFWLRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO DXWKRU DQG VRXU

\$EVWUDFW

7KH\WXG\ ZDV FDUULHG RXW WR DVVHVW WKH +XPDQ ZLOG SLJ FRQIOLFW DQG KR
WKH FOLPDWLF IDFWRUV 7KH DUHDV DGMRLQLQJ WKH 0XGXPDODL ZLOGOLIH UH
\$QDLPDODL ZLOGOLIH UHJLRQ RI 7DPLO 1DGX ,QGLD ZHUH LQFOXGHG LQ WKLV V
TXDQWLILDEOH PHWHRURORJLFDO IDFWRUV LQ WKH LGHQWLILHG FRQIOLFW DUHDV

7KH RFFXUUHQFHV RI FRQIOLFW ZHUH DOVR FODVVILHG DV ORZ PHGLXP DQG K
JUDGHG DV ORZ PHGLXP DQG KLJK /RZ LQIUDVWUXFWXUH GDPDJH ZDWHU VRX
HFRORJLFDO GDPDJH PRGHUWH DJULFXOWXUDO FURS UDLGLQJ OLYHVWRFN S
JUDVVODQGV KLJK LQMXU\ WR KXPQV FDXVLQJ IDWDOLWLHV 6XLWDEOH PDQDJ
SHUWDLQLQJ WR WKH ILQGLQJV REVHUYHG LQ UHJDUG WR ZLOG SLJ KXPQ FR
PHWHRURORJLFDO IDFWRUV RI WKH DUHDV ZHUH VWXGLHG 7KH ILQGLQJV UHYHDO

67(52,' &257,62/ (+(}QGW~~W~~ WKH VWUHV V LQ WKH

6 12 6HDVQRZ 0HGLXP +LJK ;

:LQWHU

0XGXPDODL

6XPPHU

:LQWHU

16

6DWK\DPDQJDOD

P

6XPPHU

0DHN5Q '\QDPLFV RI GDPDJH F@XWHG@WZV@G@S@LJV WLOG SLJV (QYLURQPHQWDO 3H
DJULFXOWXUDHJER@S\LFDFWD 3HUJDPRP 3UHVV 6\GQH\
0DWHR 0- 'HYHORSPHQW DQG JHRJUD@SKLFD YDULDWLRQ LQ VWUHV
KRUPRQH V LQ ZLOG %HOGLQJdV JURXQG VTXLUUHOV +RUPRQH V DQG %HKDYLRU

3DOPH 5 0RQLWRULQJ VWUHV KRUPRQH PHWDEROLWHV DV D XVHIXO QRQ
LQYDVLYH WRRO IRU ZHOIDUH DVVHVVPHQW LQ IDUP DQLPDOV \$QLPDO ZHOIDUH

3ULGH 5(+LJK IHFDO JOXFRFRUWLFRLG OHYHOV SUHGLFW PRUWDOLW\ LQ ULQJ
WDLOHG OHPXUV /HPXU FDWWD %LRORJ\ OHWWHUV